TETRA TECH

February 8, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First St.
Artesia, NM 88210

Re: REVISED Release Characterization and Remediation Work Plan
ConocoPhillips (Heritage COG Operating LLC)
Honey Graham 29 State 6H Tank Battery Release
Unit Letter C, Section 29, Township 26 South, Range 28 East
Eddy County, New Mexico
Incident ID NAPP2313129153

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess and evaluate a release that occurred at the Honey Graham 29 State 6H Tank Battery. The release footprint is located in Public Land Survey System (PLSS) Unit Letter C, Section 29, Township 26 South, and Range 28 East, Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.020024°, -104.110987°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the Honey Graham 29 State 6H Tank Battery release was discovered on April 18, 2023. The release was caused by a hole at the bottom of a tank due to corrosion. The initial C-141 form for the release was submitted to the New Mexico Oil Conservation Division (NMOCD) on May 11, 2023. The NMOCD Incident ID for this release is NAPP2313129153.

After further investigation into the release volumes, COP representatives determined that the initial production measurement data provided in the initial C-141 was inaccurate. The impacts observed during the initial and additional assessment indicated a much smaller volume of fluids released as a result of the incident. After the revisions to the C-141, approximately 29 barrels (bbls) of crude oil and 10 bbls of produced water were reported released, of which there was no recovery. A revised C-141 form for the release incident was submitted to the NMOCD on September 7, 2023. The revised C-141 was accepted by OCD via email on September 8, 2023.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on State Trust Lands. A review of the NMSLO Land Status Map was completed and the Site is located within active oil and gas lease ID V074750001, which is listed under EOG Resources Inc. The Site is also located in a commercial lease ID BL23580000, listed under COG Operating LLC. Based on guidance provided by the NMSLO, as the release footprint is located on an active oil and gas lease, and the footprint is wholly located within the boundaries of the active oil and gas lease, no Remediation Right of Entry (ROE) is required at the Site. Prior to conducting remediation activities, this Remediation Work Plan will be submitted to the NMSLO for review.

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CULTURAL PROPERTIES PROTECTION

In order to meet the requirements to perform reclamation activities on State Trust Lands, compliance with the cultural properties protection rule (NMAC 19.2.24) was required at the Site. The New Mexico Administrative Code (NMAC) 19.2.24.8 states "*Any persons engaged in activities on state trust lands are subject to the requirements of the Cultural Properties Act, the Cultural Properties Protection Act, and 19.2.24.13 NMAC. Persons shall not disturb, dislodge, damage, destroy, or remove any cultural properties on state trust lands. Any project on state trust lands that has the potential to directly or indirectly damage cultural properties is additionally subject to the requirements of Subsections B, C, D, and E of 19.2.24.8 NMAC.*"

Tetra Tech, on behalf of COP, contracted SWCA Environmental Consultants (SWCA) to conduct an intensive Class III pedestrian survey for the Honey Graham 29 State 6H Tank Battery release covering 0.13 acres (0.5 ha) on the SLO-managed land in Eddy County, New Mexico. On December 5, 2023, SWCA surveyed a total of 1.94 acres (0.79 ha), which includes a 100-foot buffer from the inadvertent release location footprint, located entirely on SLO-managed land.

No archaeological sites or historic properties were observed during the investigation. No additional investigation or treatment was recommended regarding the current undertaking. If subsurface cultural material is encountered during remedial activities, all work will cease and the NMSLO will be notified immediately. The survey was submitted to the State Land Office on December 20, 2023. A copy of the NMCRIS Activity No. 154498 is included in Appendix B.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29.12 New Mexico Administrative Code (NMAC). Please note that no continuous or significant waterbody is within the lateral extent of the release; however, a New Mexico Office of the State Engineers (NMOSE) unnamed stream body does lie approximately 160 feet south of the release. A portion of the Site is located within a Federal Emergency Management Agency (FEMA) Zone A floodplain. The Site is in an area of high karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there is one water well within ½ mile (800 meters) of the Site. The well has a depth to groundwater of 33 feet below ground surface (bgs). The site characterization data is included in Appendix C.

According to the New Mexico Bureau of Geology and Mineral Resources (NMBGMR) *Geologic Map of the Red Bluff 7.5-Minute Quadrangle, Eddy County, New Mexico*, the Site is underlain by the Salado Formation. The NMBGMR describes the Salado Formation as consisting of "invariably brecciated and/or karst-impacted halite/rock salt, anhydrite/gypsum potassium salts and lesser fine-grained clastic rocks and carbonates".

In addition, the facility is located near the Owl Draw. Heavy rain fell over southeastern New Mexico during 2013 and 2014, especially in the Loving and Malaga areas. Stream flow occurs in the major drainage (Owl Draw) during times of heavy rain. Extreme variability in the rainfall created flash flooding which affected significant portions of the drainage areas surrounding the Site. Several adjacent batteries and lease pads were damaged by the flooding events, as evidenced in historical imagery.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization (high karst) and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

INITIAL ASSESSMENT ACTIVITIES AND SAMPLING RESULTS

On April 24, 2023, Carmona Resources (Carmona) personnel collected assessment samples from seven (7) locations (S-1 through S-7) within the reported release extent and seven (7) locations (H-1 through H-7) around the perimeter of the reported release extent. The assessment was conducted with the liner, piping and infrastructure present within the tank battery. A total of forty-five (45) soil samples were collected and sent to Eurofins Environmental Testing in Midland, Texas to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015 NM, and BTEX via EPA Method 8021B. Sample locations and the approximate release extent are indicated in Figure 3.

The analytical results associated with S-1 and S-3 through S-6 exceeded the Site RRALs for chloride, BTEX and/or TPH to a depth of 5 feet bgs. Analytical results from S-7 (0-1') and H-7 (0-0.5') exceeded the Site RRAL for TPH. The remaining analytical results were below Site RRALs. A copy of the analytical laboratory report and chain-of-custody documentation are included in Appendix D. Analytical results from the initial assessment are summarized in Table 1.

ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

On July 18, 2023, Tetra Tech personnel conducted additional assessment activities on behalf of COP. Two tanks, the northernmost and southernmost, were removed prior to the assessment. As a portion of the assessment activities, the perimeter fence and earthen berm were removed to provide access to the battery interior. A total of three (3) soil borings (BH-1 through BH-3) were installed with an air rotary drilling rig. BH-1 was installed within the approximate center of the southernmost tank footprint; BH-2 was installed east of BH-1 (in the approximate location of S-6); and BH-3 was installed within the footprint of the northernmost tank. On July 20, 2023, Tetra Tech returned to the Site to install one (1) additional soil boring (AH-1) via hand auger south of the battery to complete horizontal delineation. Sample locations are shown in Figure 4. Photographic documentation of the assessment activities is included as Appendix E.

A total of twenty-five (25) soil samples were collected during the July 2023 assessment and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via Standard Method 4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Copies of the analytical laboratory reports and chain-of-custody documentation are included in Appendix D.

The analytical results associated with both BH-1 and BH-3 indicated sporadic Site RRAL exceedances to a depth of 10 feet bgs. Analytical results from BH-2 indicated Site RRAL exceedances to a depth of 18 feet bgs. Analytical results from AH-1 were below Site RRALs. Given the known shallow groundwater depth in the area, soil boring BH-2 was terminated at 18 feet bgs. Soil borings were dry at completion and boreholes were plugged with 3/8-inch bentonite chips from total depth to surface grade.

Horizontal and vertical delineation were considered completed following the assessment activities. Although the TPH concentration at the basal BH-2 depth interval (17-18) slightly exceeded the most stringent RRAL of 100 mg/kg, the adjacent boring location (BH-1), drilled only 12-feet to the west, indicated TPH impact down to only 10' below grade. This is a clear indication that the impacts observed at BH-2 are localized as a "hot spot" at that depth.

Analytical laboratory results associated with assessment samples exceeded the previously established Site RRAL of 600 mg/kg limit for chlorides at BH-3, which was noted to be outside the release footprint. These collected analytical results were reviewed and evaluated. Based on the native soils containing halite/rock salt, it is assumed that the exceedances of the chloride RRAL observed in the portions of the assessment data is partially, if not wholly, due to the natural occurrence of chloride-containing minerals in soils underlying the Site.

2023 REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLE PLAN

On August 24, 2023, Tetra Tech, on behalf of COP, requested a 90-day extension for the Honey Graham 29 State 6H Tank Battery Release Site (NAPP2313129153). The extension request was approved by the NMOCD on August 25, 2023. In accordance with the approved extension request, the due date for the Work Plan was October 16, 2023.

A Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on September 29, 2023, with fee application payment PO Number IP3KE-230929-C-1410. The Work Plan described the results of the release assessments and provided characterization of the impact at the site. Furthermore, the Work Plan contained a request for a variance of the site-specific RRALs based on naturally occurring chloride in soils as described previously in the Site Characterization section of this report. A variance request to collect confirmation samples to be representative of no more than 400 square feet was also included in the Work Plan.

The Work Plan was denied via email by Shelly Wells of the NMOCD on Tuesday, December 26, 2023 with the following reasoning:

- *"Remediation plan denied. Request for variance on background chloride concentrations is denied. Both Table 1 and Table 2 show several chloride samples below 100 ppm. Request for a variance to collect confirmation samples at every 400 square feet is approved."*

NMOCD email correspondence is included in Appendix F.

REVISED REMEDIATION WORK PLAN

Based on the NMOCD rejection, and the collected analytical results, the remedial action has been revised. ConocoPhillips proposes to remove the remaining impacted material as indicated on Figure 5. Prior to beginning remedial action, the tank battery and related production equipment will have been removed from the release area. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 19 feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the applicable RRALs. The area around BH-2 will be excavated in a benched manner to a total depth of 19 feet bgs to remove impacted soils above Site RRALs.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation floor and sidewall samples will be collected for verification of remedial activities. Prior to confirmation sampling the NMOCD district office and the NMSLO will be notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Once results are received, the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 1,681 cubic yards.

If groundwater is encountered during the planned remedial activities or expected to be encountered due to deepening of the excavation, the excavation will cease at the appropriate depth, all soils above that depth will be remediated, closure for the impacted soil site will be requested, and a separate groundwater investigation would be opened. In the event that excavation floor samples are below Site RRALs, COP requests full closure of the site with no further action.

ALTERNATIVE CONFIRMATION SAMPLING PLAN

The NMOCD has approved that confirmation floor and sidewall samples will be collected every 400 square feet for verification of remedial activities, and analyzed for TPH, BTEX, and chloride. Confirmation sample locations are depicted in Figure 6. Seven (7) confirmation floor samples and nine (9) confirmation sidewall samples will be collected for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 6,080 square feet.

SITE RECLAMATION AND RESTORATION PLAN

The backfilled areas located outside of oil and gas operations areas will be seeded to aid in revegetation. Based on the soils at the site, the NMSLO Loamy (L) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled. The NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix G.

CONCLUSION

ConocoPhillips proposes to begin remediation activities at the Site within 90 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD.

If you have any questions concerning the soil assessment, additional delineation, or the proposed remediation activities for the Site, please call me at (512) 560-9064 or email at Nicholas.Poole@tetratech.com.

Sincerely,
Tetra Tech, Inc.

Nicholas M. Poole
Project Lead

Christian M. Llull, P.G.
Program Manager

cc:
Mr. Ike Tavarez, RMR – ConocoPhillips

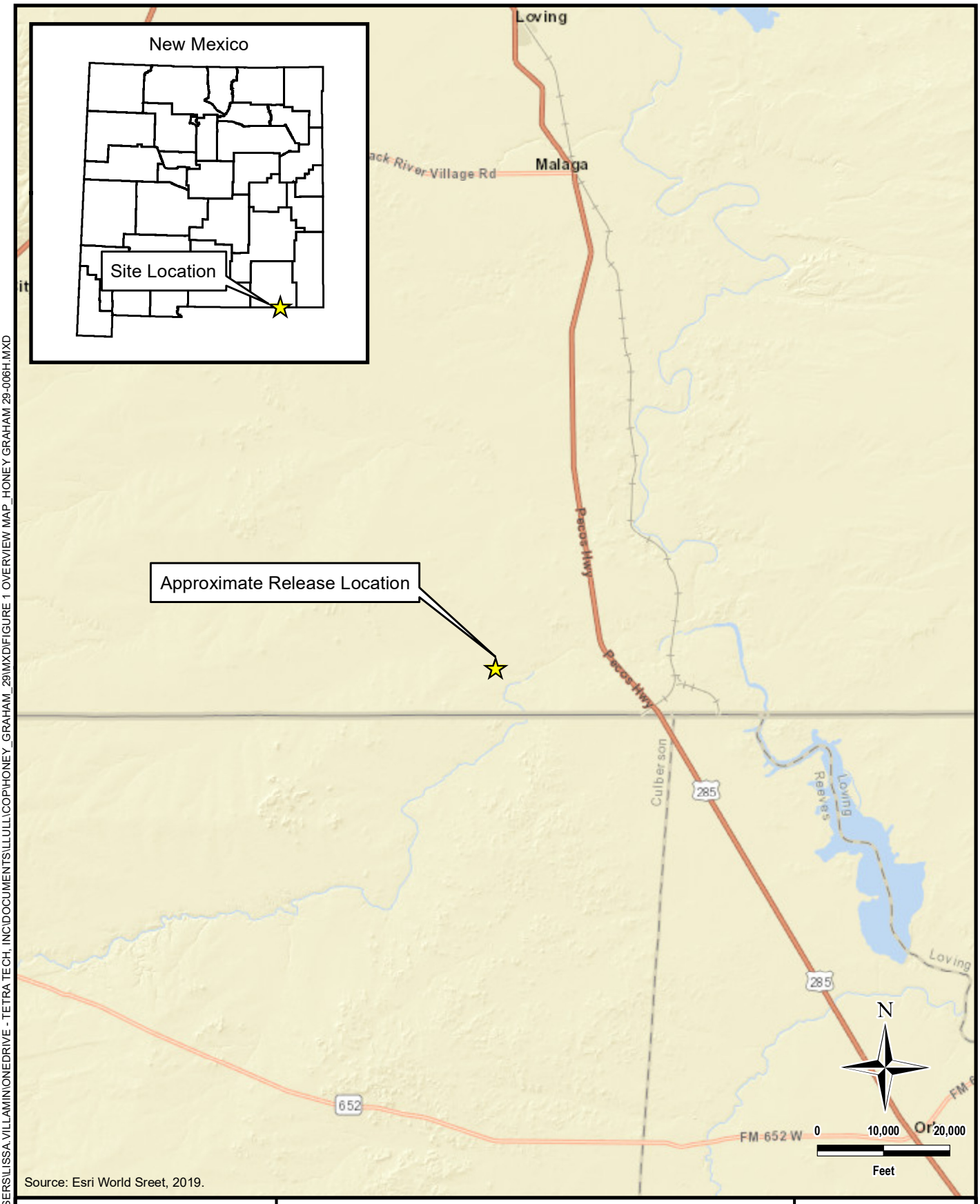
LIST OF ATTACHMENTS

Figures:

Tables:

Appendices:

FIGURES



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\HONEY_GRAHAM_29\MXD\FIGURE 1 OVERVIEW MAP_HONEY GRAHAM 29-006H.MXD

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CONOCOPHILLIPS

NAPP2313129153
EDDY COUNTY, NEW MEXICO
(32.020024°, -104.110987°)

HONEY GRAHAM 29 STATE COM #006H
OVERVIEW MAP

PROJECT NO.:	212C-MD-03173
DATE:	JULY 27, 2023
DESIGNED BY:	LMV

Figure No.
1

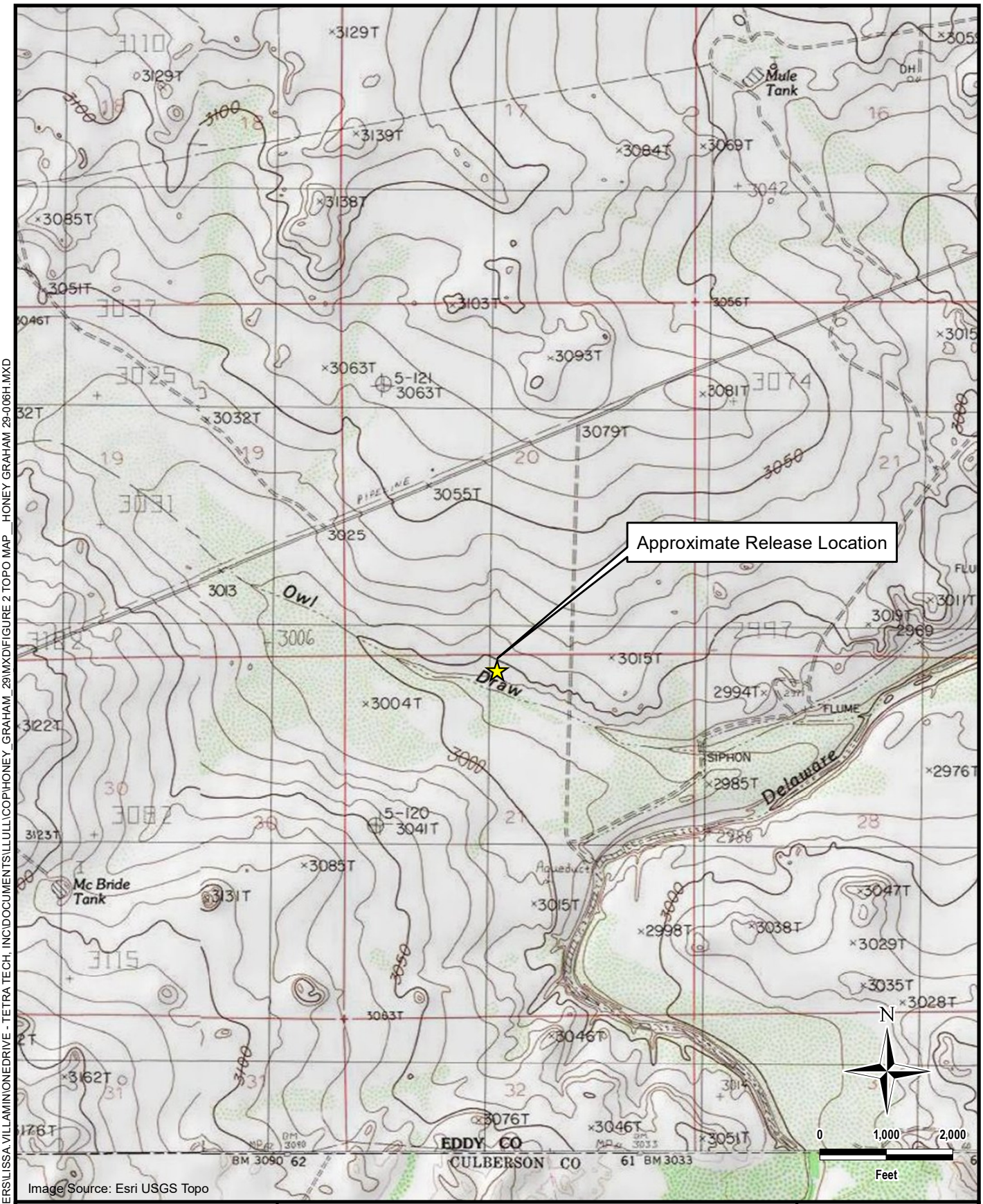

Image Source: Esri USGS Topo

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\HONEY_GRAHAM_29\MXD\FIGURE 2 TOPO MAP_HONEY GRAHAM 29-006H.MXD

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NAPP2313129153
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(32.020024°, -104.110987°)

HONEY GRAHAM 29 STATE COM #006H
TOPOGRAPHIC MAP

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Figure No.
2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\HONEY_GRAHAM_29\MXD\FIGURE 3 RELEASE AND ASSESS CARMONA_HONEY GRAHAM 29-006H.MXD

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EDDY COUNTY, NEW MEXICO
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HONEY GRAHAM 29 STATE COM #006H
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT (CARMONA)

PROJECT NO.:	212C-MD-03173
DATE:	JULY 28, 2023
DESIGNED BY:	LMV

Figure No.
3

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\HONEY_GRAHAM_29\MXD\FIGURE 4 ADD'L ASSESS TT_HONEY GRAHAM 29-006H.MXD

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HONEY GRAHAM 29 STATE COM #006H
ADDITIONAL ASSESSMENT (TETRA TECH)

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DATE:	JULY 31, 2023
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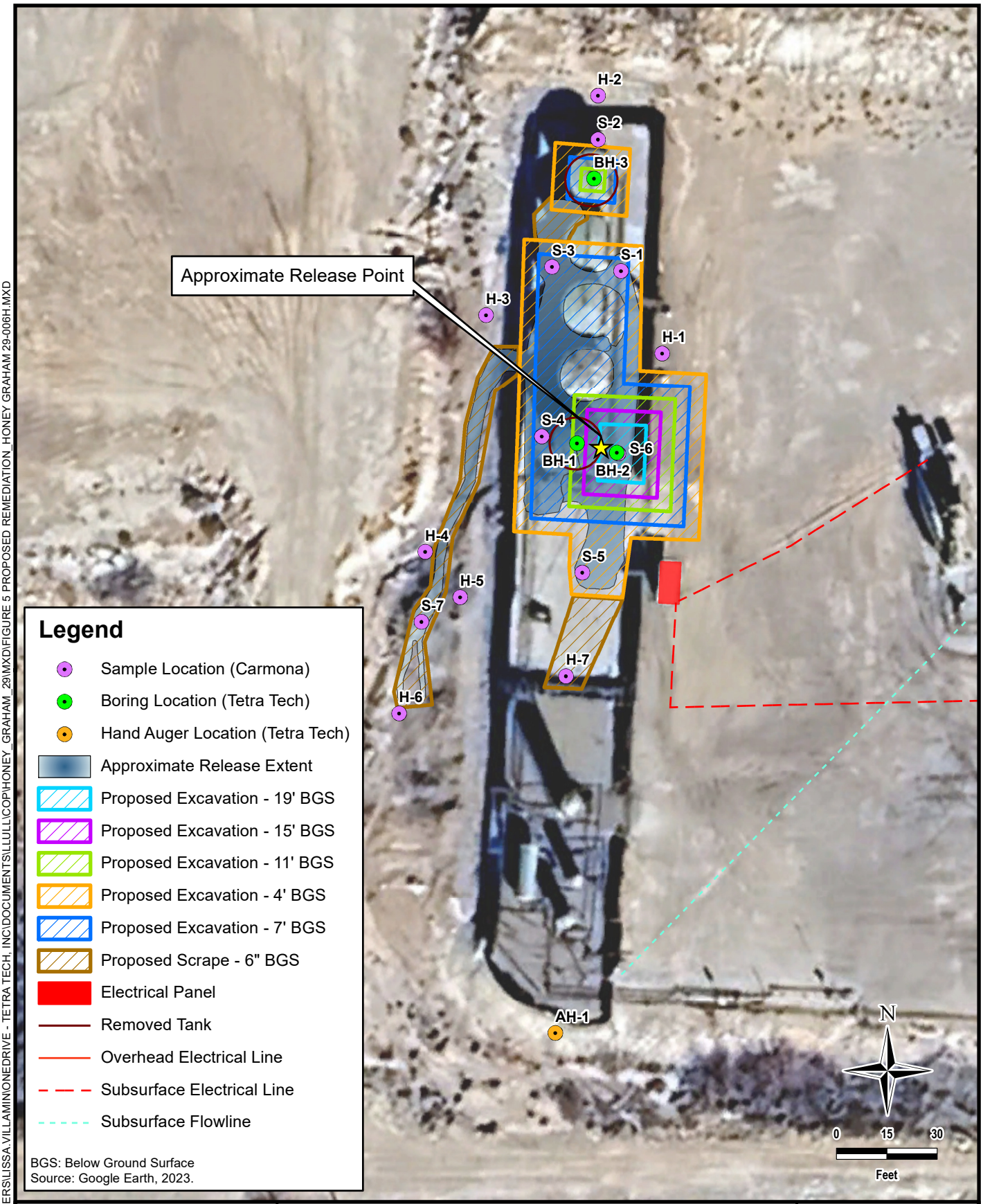
Figure No.
4



Legend

- Sample Location (Carmona)
- Boring Location (Tetra Tech)
- Hand Auger Location (Tetra Tech)
- Approximate Release Extent
- Proposed Excavation - 19' BGS
- Proposed Excavation - 15' BGS
- Proposed Excavation - 11' BGS
- Proposed Excavation - 4' BGS
- Proposed Excavation - 7' BGS
- Proposed Scrape - 6" BGS
- Electrical Panel
- Removed Tank
- Overhead Electrical Line
- Subsurface Electrical Line
- Subsurface Flowline

BGS: Below Ground Surface
Source: Google Earth, 2023.

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\HONEY_GRAHAM_29\MXD\FIGURE 5 PROPOSED REMEDIATION_HONEY GRAHAM 29-006H.MXD

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CONOCOPHILLIPS

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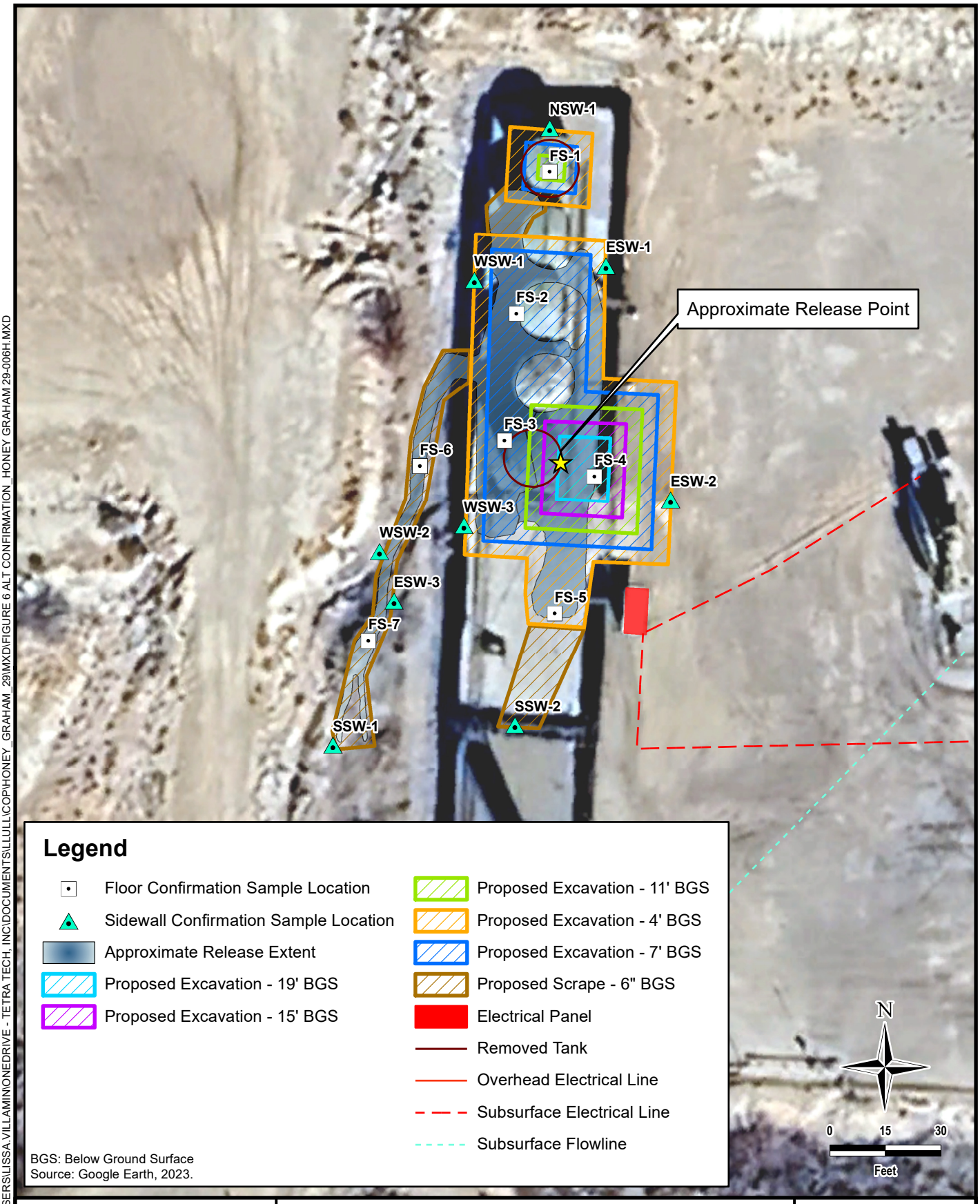
EDDY COUNTY, NEW MEXICO
(32.020024°, -104.110987°)

HONEY GRAHAM 29 STATE COM #006H
PROPOSED REMEDIATION EXTENT

PROJECT NO.:	212C-MD-03173
DATE:	JANUARY 17, 2024
DESIGNED BY:	LMV

Figure No.
5



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\HONEY_GRAHAM_29\MXD\FIGURE 6 ALT CONFIRMATION_HONEY GRAHAM 29-006H.MXD

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EDDY COUNTY, NEW MEXICO
(32.020024°, -104.110987°)

HONEY GRAHAM 29 STATE COM #006H
ALTERNATIVE CONFIRMATION SAMPLING PLAN

PROJECT NO.:	212C-MD-03173
DATE:	JANUARY 17, 2024
DESIGNED BY:	LMV

Figure No.
6

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT (CARMONA RESOURCES) - NAPP2313129153
CONOCOPHILLIPS
HONEY GRAHAM 29 STATE 6H TANK BATTERY RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]						
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		MRO		Total TPH
															C_6 - C_{10}		> C_{10} - C_{28}		> C_{28} - C_{36}		(GRO+DRO+EXT DR
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
S-1	4/24/2023	0-1.0	80.8		1.16		18.6		19.1		55.6		94.5		3330		9080		<498	U	***12400***
		1.5	373		0.157		0.922		1.03		4.59		6.7		292		915		<50.0	U	***1210***
		2.0	106		0.0365		<0.0200	u	<0.0200	U	<0.0401	U	0.0646		<49.9	U	87.9		<49.9	U	87.9
		3.0	114		<0.0199	U	<0.0199	U	<0.0199	U	0.134		0.134		<49.9	U	78.0		<49.9	U	78
		4.0	134		<0.00994	U	0.0207		0.0676		0.162		0.25		<49.9	U	203		<49.9	U	***203***
		5.0	127		<0.00998	U	0.022		0.0653		0.21		0.297		<49.8	U	183		<49.8	U	***183***
S-2	4/24/2023	0-1.0	445		<0.00198	U	<0.00198	U	<0.00198	U	<0.00396	U	<0.00396	U	<50.0	U	<50.0	U	<50.0	U	<50.0
		1.5	26.5		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00398	U	<50.0	U	<50.0	U	<50.0	U	<50.0
		2.0	155		<0.00200	U	<0.00200	U	<0.00200	U	<0.00399	U	<0.00399	U	<50.0	U	<50.0	U	<50.0	U	<50.0
		3.0	508		<0.00202	U	<0.00202	U	<0.00202	U	<0.00403	U	<0.00403	U	<49.9	U	72.4		<49.9	U	72.4
S-3	4/24/2023	0-1.0	86.2		2.53		26.2		21.7		71.8		122		2120		3960		<249	U	***6080***
		1.5	19.7		1.13		16.1		11.8		42.4		71.4		533		384		<49.9	U	***917***
		2.0	23.1		0.554		8.91		4.19		21.0		34.6		719		792		<49.9	U	***1510***
		3.0	184		4.14		38.5		21.2		76.5		140		2100		2200		<50.0	U	***4300***
		4.0	195		2.00		22.5		15.3		50.9		90.7		1160		1390		<50.0	U	***2550***
		5.0	339		0.267		0.836		0.913		4.67		6.69		235		676		<50.0	U	***911***
S-4	4/24/2023	0-1.0	66.4		0.585		11.5		14.2		49.2		75.5		1690		3600		<249	U	***5290***
		1.5	95.7		4.40		35.5		23.5		73.4		137		3490		4740		<249	U	***8230***
		2.0	162		6.20		53.2		27.5		98.2		185		3370		3440		<50.0	U	***6810***
		3.0	294		0.115		0.462		0.893		2.77		4.24		257		1210		<49.9	U	***1470***
		4.0	186		<0.100	U	<0.100	U	0.220		0.953		1.17		85.3		373		<49.8	U	***458***
		5.0	204		<0.00199	U	0.00204		0.00580	F1	0.0328	F1	0.0406		<50.0	U	110		<50.0	U	***110***
S-5	4/24/2023	0-1.0	389		<0.0998	U	<0.0998	U	<0.0998	U	<0.200	U	<0.200	U	<49.9	U	160		<49.9	U	***160***
		1.5	***1060***		<0.101	U	<0.101	U	<0.101	U	<0.201	U	<0.201	U	<49.9	U	<49.9	U	<49.9	U	<49.9
		2.0	***1080***		<0.0998	U	<0.0998	U	<0.0998	U	<.0.200	U	<0.200	U	<49.9	U	135		<49.9	U	***135***
		3.0	***1060***		<0.0996	U	<0.0996	U	<0.0996	U	<0.199	U	<0.199	U	<49.8	U	<49.8	U	<49.8	U	<49.8
		4.0	***816***		<0.00199	U	<0.00269		<0.00199	U	<0.00398	U	<0.00398	U	<50.0	U	<50.0	U	<50.0	U	<50.0
		5.0	***964***		<0.00200	U	<0.00339		<0.00200	U	<0.00399	U	<0.00399	U	<50.0	U	<50.0	U	<50.0	U	<50.0
S-6	4/24/2023	0-1.0	173		0.726		9.35		4.85		23.1		38.1		5240		8100		1070		***14400***
		1.5	343		0.673		9.11		5.66		24.1		39.6		2160		3220		440		***5820***
		2.0	584	F1	3.42		34.0		23.0		80.4		141		2770		3760		500		***7030***
		3.0	***1240***		7.64		59.6		33.9		125		226		6010		7380		959		***14300***
		4.0	***1210***		3.71		45.6		29.7		114		193		5040		7570		937		***13500***
		5.0	594		5.61		45.6		24.3		87.7		163		4570		6210		774		***11600***
S-7	4/24/2023	0-1.0	231		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00398	u	95.9		91.1		<50.0	U	***187***
		1.5	418		<0.00198	U	<0.00198	U	<0.00198	U	<0.00396	U	<0.00396	U	<50.0	U	<50.0	U	<50.0	U	<50.0
		2.0	252		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00398	u	<49.8	U	<49.8	U	<49.8	U	<49.8
		3.0	263		<0.00200	U	<0.00200	U	<0.00200	U	<0.00399	U	<0.00399	U	<49.9	U	<49.9	U	<49.9	U	<49.9
H-1	4/24/2023	0-0.5	57.0		<0.00199	U	<0.00199	U, F1	<0.00199	U, F1	<0.00398	U, F1	<0.00398	U	<50.0	U	63.7		<50.0	U	63.7
H-2	4/24/2023	0-0.5	102		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00398	U	<49.9	U	<49.9	U	<49.9	U	<49.9
H-3	4/24/2023	0-0.5	361	F1	<0.00200	U	<0.00200	U	<0.00200	U	<0.00399	U	<0.00399	U	<49.8	U	<49.8	U	<49.8	U	<49.8
H-4	4/24/2023	0-0.5	266		<0.00201	U	<0.00201	U	<0.00201	U	<.00402	U	<0.00402	U	<49.9	U	<49.9	U	<49.9	U	<49.9
H-5	4/24/2023	0-0.5	227		<0.00202	U	<0.00202	U	<0.00202	U	<0.00404	U	<0.00404	U	<49.9	U	<49.9	U	<49.9	U	<49.9
H-6	4/24/2023	0-0.5	97.9		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00398	U	<50.0	U	<50.0	U	<50.0	U	<50.0
H-7	4/24/2023	0-0.5	114		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00398	U	<49.9	U	188		<49.8	U	***188***

NOTES:

ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
1 Method SM4500Cl-B
2 Method 8021B
3 Method 8015M

Bold and italicized values indicate exceedance of proposed Site RRALs.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

U Indicates the analyte was analyzed but not detected
F1 MS and/or MSD recovery exceeds control limits

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
2023 SOIL ASSESSMENT (TETRA TECH) - NAPP2313129153
CONOCOPHILLIPS
HONEY GRAHAM 29 STATE 6H TANK BATTERY RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]						
			Chloride	Titration			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C_6 - C_{10}		DRO > C_{10} - C_{28}		EXT DRO > C_{28} - C_{36}		Total TPH (GRO+DRO+EXT DRO)
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
BH-1	7/18/2013	0-1			***2,240***		<2.00		24.0		20.0		102		***146***		4,250		9,290		1,400		***14,940***
		2-3			464		<1.00		13.5		13.2		73.4		***100***		2,530		6,520		963		***10,013***
		4-5			***1,040***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		34.5		<10.0		34.5
		6-7			***896***		0.235		3.78		2.54	QM-07	13.8	QM-07	20.4		633		1,540		232		***2,405***
		9-10			***1,650***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		12-13			224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		20.0		<10.0		20.0
		14-15			192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		27.1		15.4		42.5
BH-2	7/18/2023	0-1			32.0		<1.00		9.30		14.7		47.5		***71.5***		2,760		8,790		1,440		***12,990***
		2-3			32.0		0.435		6.89		9.74		35.5		***52.5***		1,450		3,460		540		***5,450***
		4-5			144		2.93		32.4		18.7		104		***158***		3,100		6,390		924		***10,414***
		6-7			80.0		<0.050		<0.050		<0.050		0.323		0.323		21.6		703		136		***861***
		9-10			448		<0.050		0.943		1.38		8.04		10.4		244		2,380		409		***3,033***
		12-13			192		<0.050		1.41		2.59		12.0		16.0		898	QM-07,QR-03	8,460	QM-07	1,320		***10,678***
		14-15			368		<0.050		0.057		0.109		0.617		0.783		47.2		925		205		***1177.2***
		15-16			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		113		51.2		***164.2***
		16-17			336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		423		350		***773***
		17-18			***672***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		234		63.7		***297.7***
BH-3	7/18/2023	0-1			544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17.6		<10.0		17.6
		2-3			***688***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		4-5			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-7	1,210	100	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		9-10	1,110	650	***752***		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		12-13			464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		14-15	673		208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-1	7/20/2023	0-1			112.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
1 Method SM4500Cl-B
2 Method 8021B
3 Method 8015M

Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

APPENDIX A
C-141 Forms

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	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		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
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 _____ Title: _____

Signature: __ _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form - Fill In Gray Cells

Facility Name & Well Number(s):	Honey Graham 29 State Com 6H			Release Discovery Date & Time:	4/18/23 12:00 AM		
Provide any known details about the event:	Revision to initial volume estimate			Primary Cause (dropdown):		Secondary Cause (dropdown):	
	Recovered Volume (bbl.) (if available, not included in volume calculations)	Method of Determination (dropdown)	Release Type (dropdown):	> 1/2" of Rain in Last 24 Hours (dropdown):		% Rainwater Recovered (not included in volume calculations, informational):	
BU: Permian	Asset Area: DBW - Gypsum Land Complex		Field Measurement	Oil Mixture	No		
Known Volume (dropdown):	No						
Known Area (dropdown):	No						

Spill Calculation - Subsurface Spill - Rectangle

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)	**Remediation Recommendation** Total Estimated Contaminated Soil, uncompacted, 25% (yd^3.)	Current Rule of Thumb - RMR Handover Volume, (yd^3.)
Rectangle A	170.0	35.0	3.0	Off-Pad	14.60%	264.78	38.66	75%	28.99	9.66	68.87	750
Rectangle B				Off-Pad	14.60%	0.00	0.00		0.00	0.00	0.00	
Rectangle C				Off-Pad	14.60%	0.00	0.00		0.00	0.00	0.00	
Rectangle D				Off-Pad	14.60%	0.00	0.00		0.00	0.00	0.00	
Rectangle E				Off-Pad	14.60%	0.00	0.00		0.00	0.00	0.00	
Rectangle F						0.00					0.00	
Rectangle G						0.00					0.00	
Rectangle H						0.00					0.00	
Rectangle I						0.00					0.00	
Rectangle J						0.00					0.00	
Total Subsurface Volume Released:							38.6572		28.9929	9.6643	68.87	BU

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

APPENDIX B
Cultural Survey

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Registration

Lead Agency: New Mexico State Land Office

Performing Agency: SWCA Environmental Consultants
Activity ID: 82726
Performing Agency Report No: 23-885

Report Recipient (Your Client): Tetra Tech, Inc.

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: 1.94
Total Tribal Acreage: 0.00
Total Resources Visited: 0

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Associate/Register Resources

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

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Report Details

Lead Agency

Lead Agency: New Mexico State Land Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: A Class III Cultural Resources Survey for the proposed Honey Graham 29 St Battery Well Project in Eddy County, NM

Authors: Paisley DeFreese

Type of Report

Publication Type: Report, Monograph, or Book Negative

Description of Undertaking (what does the project entail?)

Description: Tetra Tech, Inc. proposes to remediate the Honey Graham 29 St Battery Well Project in Eddy County, NM. The remediation process will require removing impacted sediments from the contaminated area and replacing them with clean soil. The area effected by the release totals 0.13 acres (0.05 hectares) and is located approximately 23.05 kilometers (14.32 miles) southwest of Malaga, New Mexico on lands managed by the New Mexico State Land Office (NMSLO).

Dates of Investigation

From: 5-Dec-2023 **To:** 5-Dec-2023

Report Date

Report Date: 20-Dec-2023

Performing Agency/Consultant

Name: SWCA Environmental Consultants

Principal Investigator: Meaghan Trowbridge

Field Supervisor: Jacob Borchardt

Field Personnel Names: Cash Ficke

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Historian/Other: N/A

Report Details

Performing Agency Report Number

Report Number: 23-885

Client/Customer (project proponent)

Name: Tetra Tech, Inc.

Contact: Sam Chama

Address: 1500 City West, #1000, Houston, TX 77042

Phone: (512) 338-1667

Client/Customer Project Number

Project Number: 82726

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Land Ownership:

Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
NM SLO	Class III	1.94	0.13

Total Survey Acreage: 1.94

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 28-Nov-2023

Date of Other Agency File Review: 28-Nov-2023

Survey Data

Source Graphics: NAD 83

- ✔ USGS 7.5' (1:24,000) topo map
- ☐ Other Topo Map Scale:
- ✔ GPS Unit
- ☐ 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
Red Bluff	32104-A1

County(ies)

County	FIPS
Eddy	

Legal Description

Unplatted	Township (N/S)	Range (E/W)	Section
	T26S	R28E	29

Projected Legal Description

Nearest City or Town: Malaga

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

GIS

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NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Methodology

Survey Field Methods

Intensity: 100% coverage

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

Other Survey Units

Scope: Non-Selective

Coverage Method: ✔ Systematic Pedestrian Coverage **Other Method:**

Survey Interval (m): 15 **Crew Size:** 2

Fieldwork Dates: **From:** 5-Dec-2023 **To:** 5-Dec-2023

Survey Person Hours: 1.5 **Recording Person Hours:** 0

Additional Narrative: SWCA surveyed a 100-foot (30.4-m) buffer around the inadvertent release location on NMSLO-managed land to provide sufficient area for remediation activities.

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

Environmental Setting: The project area falls within the Chihuahuan Basins and Playas (24a) ecoregion. This ecoregion includes alluvial fans, internally drained basins, and river valleys mostly below 4,500 feet in elevation (Griffith et al. 2006). The elevation of the project area is 913.53 m (2,997.11 feet) above mean sea level (amsl). This ecoregion is composed of desert grasses and shrub land in erosional settings. The project is located within the shrub land setting. Typical vegetation includes creosote bush, tarbush, yuccas, sandsage, viscid acacia, tasajillo, lechuguilla, mesquite, and ceniza. (Griffith et al. 2006). Wildlife in the area includes mule deer, prairie dog, gopher, fox, coyote, skunk, black-tailed jackrabbit, desert cottontail, scaled quail, burrowing owl, mourning dove, wrens, various hawks, bull snake, prairie rattlesnake, plain hognose snake, western hooknose snake and numerous lizards (Biota Information System of New Mexico 2023). Important animal species prehistorically include deer, jackrabbit, and cottontail.

Geology underlying the project area comprises Holocene to middle Pleistocene eolian deposits [(Qe) (U.S. Geological Survey 2023)]. Two soils are present within the project area. Cottonwood-Reeves loams, 0 to 3 percent slopes (0.39 percent survey area) are excessively drained with a very high runoff class. Gypsum land-Cottonwood complex, 0 to 3 percent (0.9 percent of survey area) and are well drained, with a very high runoff class (Natural Resources Conservation Service 2023).

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

The climate information was compiled using the Carlsbad Caverns, New Mexico (291480) climate station data (period of record February 1, 1930, to June 6, 2016). Rain is heaviest in September. Snowfall is heaviest between December and February averaging 3.96 cm (1.56 inch). January is the coldest at 0.88 degrees Celsius (33.6 degrees Fahrenheit) and July is warmest at 32.83 degrees Celsius (91.1 degrees Fahrenheit) (Western Regional Climate Center 2023).

Biota Information System of New Mexico
2023 Database Query for Eddy County. Available at: http://www.bison-m.org/. Accessed December 2023.

Griffith, G. E., J. M. Omernik, M. M. McGraw, G. Z. Jacobi, C. M. Canavan, T. S. Schrader, D. Mercer, R. Hill, and B. C. Moran
2006 Ecoregions of New Mexico (color poster with map, descriptive text, summary tables, and photographs). Reston, Virginia: U.S. Geological Survey (map scale 1:1,400,000).

Natural Resources Conservation Service
2023 Web Soil Survey. Available at:
http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm. Accessed November 2023. Accessed December 2023.

Western Regional Climate Center
2023 Carlsbad Caverns, New Mexico (291480). Available at:
https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?nm1480. Accessed December 2023.

Methodology

Percent Ground Visibility

Ground Visibility: 76-99%

Condition of Survey Area: The project area is almost entirely encompassed by two oil pads composed of a combination of graded ground surface and imported sediments. The spill effected area is limited to the easternmost pad and a shallow drainage running between the two platforms. The spill is no longer visible on the ground surface. Only a small area at the southeastern corner of the project area is undeveloped.

Attachments (check all appropriate boxes)

- ✔ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ✔ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms – new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) – previously recorded & un0relocated sites (first 2 pages minimum)
- ☐ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

Other Attachments

- ✔ Photographs and Log

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

✔ Other attachments **Describe:** Previous site and survey tables

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

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
Total Isolates Recorded:	0

✔ Non-Selective Isolate Recording

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: The size of the survey area was small, and the area has been disturbed by previous oil and gas activities.

Management Summary

Summary: Tetra Tech contracted with SWCA Environmental Consultants (SWCA) to complete an intensive Class III pedestrian survey for the proposed Honey Graham 29 St Battery Well project. SWCA surveyed a total of 1.94 acres (0.79 hectares), which includes a 100-ft (30.4-m) cultural resources buffer around the location on lands managed by the NMSLO in Eddy County, New Mexico. No archaeological sites or historic properties were observed during the current investigation. No additional investigation or treatment is recommended regarding the current undertaking. If subsurface cultural materials are encountered during remediation, all work should cease, and the NMSLO should be notified immediately.

NMSLO cultural resources preservation efforts requires that an archaeological survey be conducted to current standards for the APE pursuant to and in compliance with New Mexico Administrative Code (NMAC) 4.10.15 and 19.2.24 to ensure that cultural properties are not inadvertently excavated, harmed, or destroyed by any person.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Attachments

Documents:

Attachment Type	Description	Name	File Type	Size	Upload Date	Upload By
Report/Manuscript	NIAF_154498	NIAF_154498	PDF document	3092 KB	10-Oct-2023	Paisley DeFreese

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

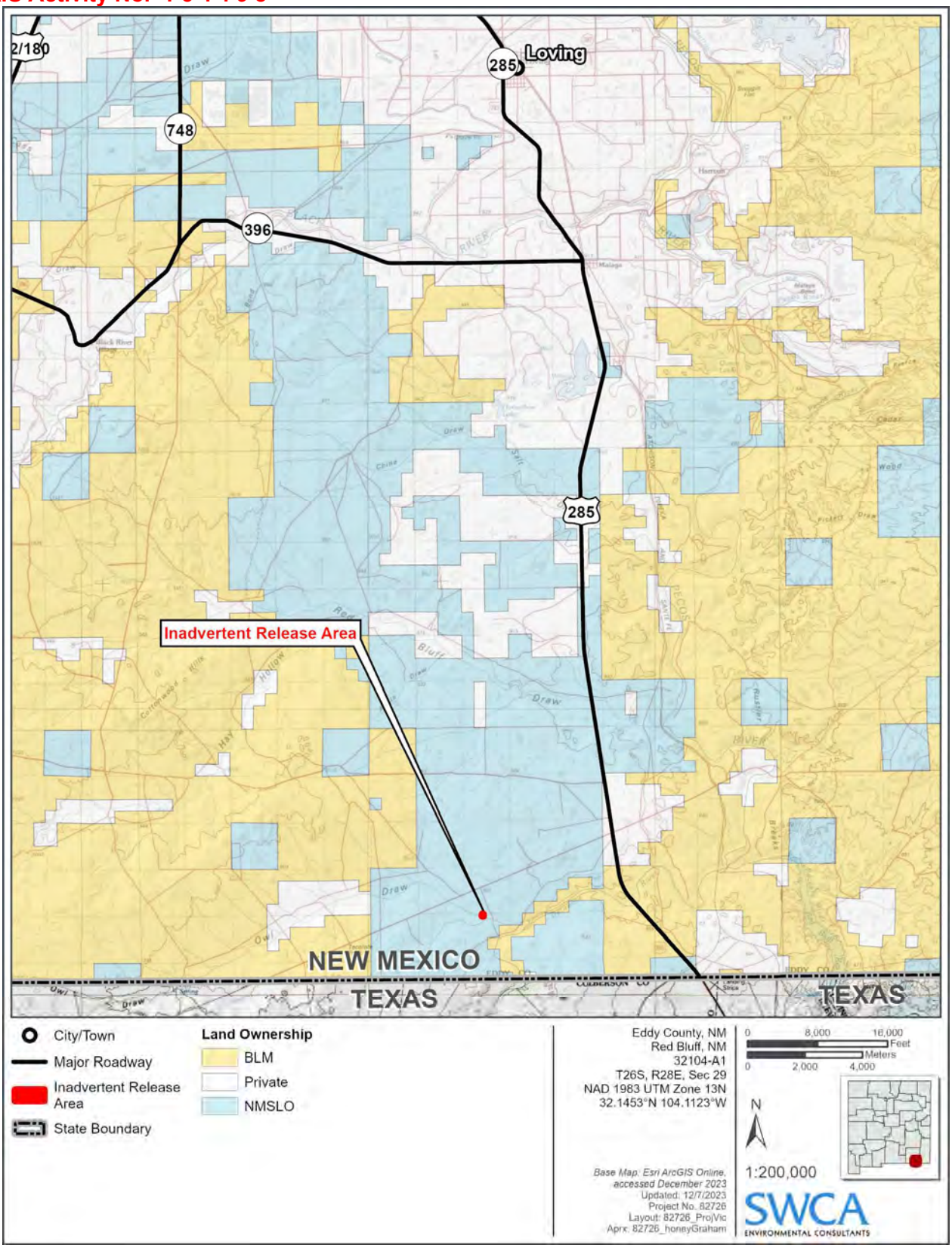


Figure 1. Project vicinity map.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

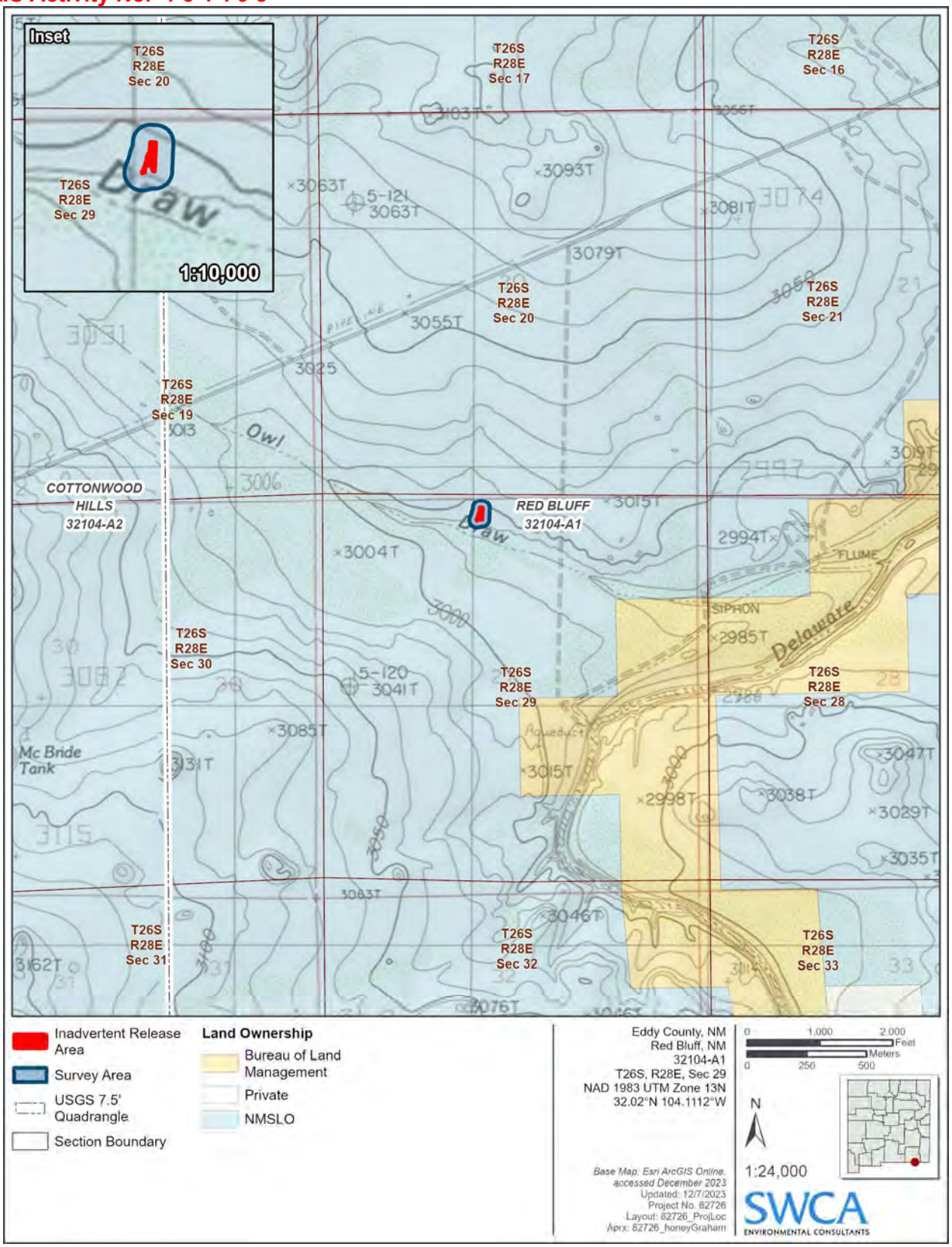


Figure 2. Project location map.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

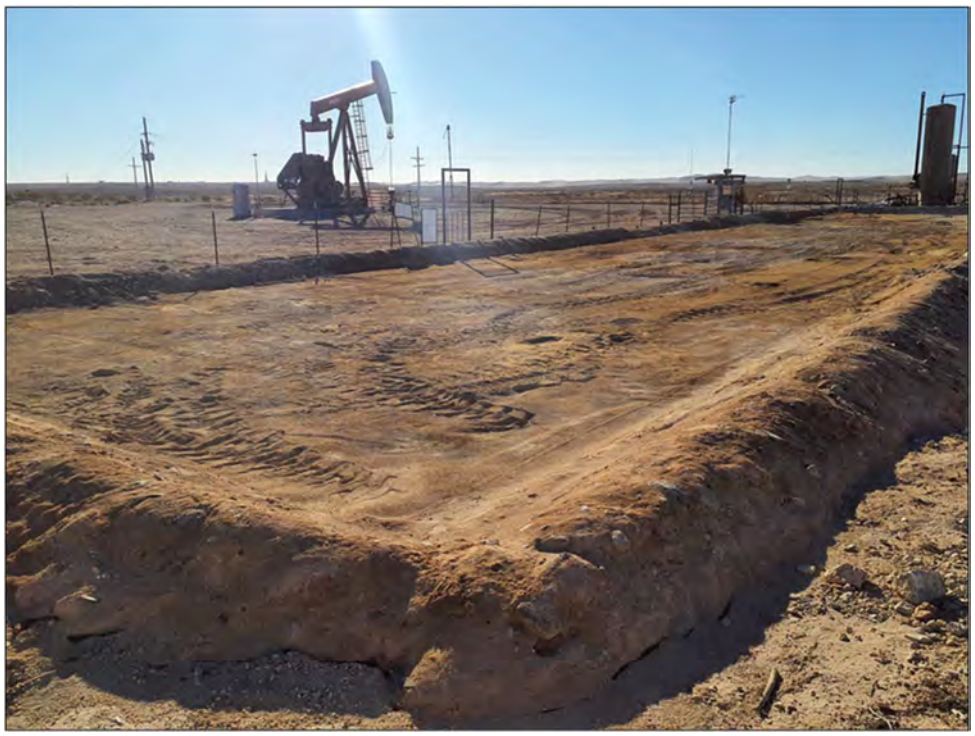


Figure 3. Overview of primary spill area, tanks are removed, facing south (Frame 8256).

Figure 4. Overview of survey area, facing northeast (Frame 4101).

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

Figure 5. Overview of survey where the spill entered the drainage, facing north (Frame 3206).

***Redacted**

Figure 6. NMCRIS records search showing project area in blue and previous archaeological survey is represented by a gold polygon.

Table 1. Archaeological Surveys Conducted within 500 m (0.31 mile) of the Survey Area

NMCRIS No.	Performing Agency	Activity Start Date	Acres Surveyed	Resources Visited
125470	Lone Mountain Archaeological Services	8-JUL-2012	32,953.33	357
132233	Statistical Research, Inc.	7-JUL-2014	9,528.07	79
133082	APAC	25-MAR-2015	37.11	0
134797	Boone Archaeological Services of New Mexico	23-NOV-2015	5.00	0
138013	Statistical Research, Inc.	4-APR-2017	2,027.10	29
139403	Lone Mountain Archaeological Services	3-NOV-2017	487.19	10
139890	SWCA Environmental Consultants	25-JAN-2018	257.84	2
140164	Advanced Archaeological Solutions	13-APR-2018	431.50	10

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 4 4 9 8

NMCRIS No.	Performing Agency	Activity Start Date	Acres Surveyed	Resources Visited
140263	APAC	26-FEB-2018	677.70	9
147257	Goshawk Environmental Consulting	13-JAN-2021	91.24	0
153092	Advanced Archaeological Solutions	1-JUN-2023	1.00	0

Table 2. Previously Recorded Sites within 500 m (0.31 mile) of the Survey Area.

***redacted**

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number: 154498

Exhibit Type (select one)

○ **ARMS Inspection/Review** - Summarize the results (select one):

- ☐ (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- ☐ (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- ☐ (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

◉ **Archaeological Survey**

Findings:

- ◉ **Negative** - No further archaeological review is required.
- ○ **Positive** - Have avoidance and protection measures been devised? Select one: ☐

Comments:

Project Details:

NMSLO Lease Number (if available):

Project Proponent (Applicant): Tetra Tech Inc.

Project Title/Description: A Class III Cultural Resources Survey for the proposed Honey Graham 29 St Battery Well Project in Eddy County, NM

Cultural Resources Consultant: SWCA Environmental Consultants

Project Location:

County(ies): Eddy

Section/Township/Range: T26S R28E 29

For NMSLO Agency Use Only:

NMSLO Lease Number:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No change in wording should occur in this legal document under any circumstances. The completion of this Cover Sheet does not allow for any ground disturbance before official approval of the proposed lease activity, nor does it guarantee that no further steps will be required for the approval of your application or project.

Form Revised 6.2.22

APPENDIX C
Site Characterization Data

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
C 04466 POD1	CUB	ED	3	3	2	29	26S	28E	584327	3542357	742	96	33	63

Average Depth to Water: **33 feet**

Minimum Depth: **33 feet**

Maximum Depth: **33 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 583955.25 **Northing (Y):** 3543000.56 **Radius:** 800

OCD Karst Potential Map

7/28/2023, 3:02:08 PM

Karst Occurrence Potential

High

1:1,128

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

BLM, OCD, New Mexico Tech, Maxar, Microsoft, Esri, HERE, Garmin, iPC

New Mexico Oil Conservation Division

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

OCD Mineral & Surface Ownership

7/28/2023, 3:05:21 PM

1:1,128

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

Mineral Ownership

N-No minerals are owned by the U.S.

Land Ownership

S

OCD Waterbodies Map

7/28/2023, 3:01:14 PM

OSE Streams

1:1,128

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

Maxar, Microsoft, Esri, HERE, Garmin, iPC, NM OSE

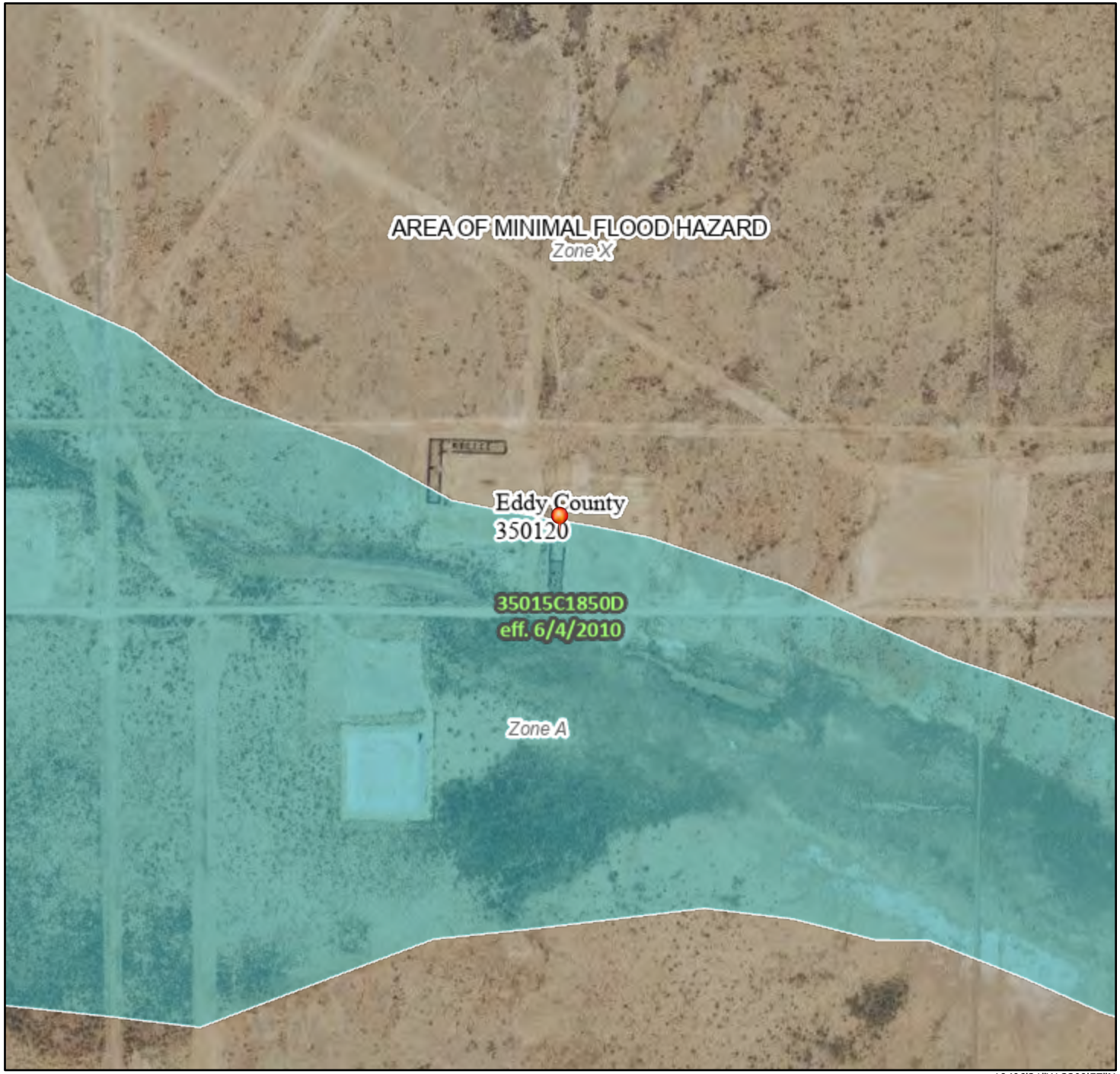
New Mexico Oil Conservation Division

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

National Flood Hazard Layer FIRMette

FEMA

104°6'58"W 32°1'27"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°6'21"W 32°0'57"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/31/2023 at 10:43 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX D
Laboratory Analytical Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/2/2023 10:49:52 AM

JOB DESCRIPTION

Honey Graham 29 St Battery
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-27677-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

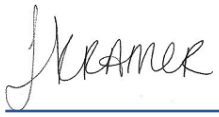
Eurofins Midland

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
5/2/2023 10:49:52 AM

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

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Laboratory Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Job ID: 880-27677-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-27677-1

Receipt
The samples were received on 4/27/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52089 and analytical batch 880-52078 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52151 recovered under the lower control limit for Toluene, Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (2.0') (880-27677-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (1.5') (880-27677-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-52254/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1.0') (880-27677-1), S-1 (1.5') (880-27677-2), S-1 (3.0') (880-27677-4), S-1 (4.0') (880-27677-5), S-3 (0-1.0') (880-27677-11), S-3 (3.0') (880-27677-14), S-3 (4.0') (880-27677-15), S-3 (5.0') (880-27677-16), S-4 (0-1.0') (880-27677-17), S-4 (1.5') (880-27677-18), S-4 (2.0') (880-27677-19), S-4 (3.0') (880-27677-20), S-6 (0-1.0') (880-27677-29), S-6 (2.0') (880-27677-31), S-6 (3.0') (880-27677-32), S-6 (4.0') (880-27677-33) and S-6 (5.0') (880-27677-34). 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 880-52264 and analytical batch 880-52252 was outside the upper control limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (0-1.0') (880-27677-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-52074 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-52074/32).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52115 and analytical batch 880-52157 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-52115/2-A) and (LCSD 880-52115/3-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Job ID: 880-27677-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-4 (4.0') (880-27677-21), S-4 (5.0') (880-27677-22), S-5 (0-1.0') (880-27677-23), S-5 (1.5') (880-27677-24), S-5 (2.0') (880-27677-25), S-5 (3.0') (880-27677-26), S-5 (4.0') (880-27677-27), S-5 (5.0') (880-27677-28), S-6 (0-1.0') (880-27677-29), S-6 (1.5') (880-27677-30), (880-27677-A-21-E MS) and (880-27677-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-6 (2.0') (880-27677-31), S-6 (3.0') (880-27677-32), S-6 (4.0') (880-27677-33), S-6 (5.0') (880-27677-34), S-7 (0-1.0') (880-27677-35), S-7 (1.5') (880-27677-36), S-7 (2.0') (880-27677-37) and S-7 (3.0') (880-27677-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-52157 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-52157/20).

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52130 and analytical batch 880-52275 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: S-4 (4.0') (880-27677-21), S-4 (5.0') (880-27677-22), S-5 (0-1.0') (880-27677-23), S-5 (1.5') (880-27677-24), S-5 (2.0') (880-27677-25), S-5 (3.0') (880-27677-26), S-5 (4.0') (880-27677-27), S-5 (5.0') (880-27677-28), S-6 (0-1.0') (880-27677-29), S-6 (1.5') (880-27677-30), (880-27677-A-21-H MS) and (880-27677-A-21-I MSD).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52130 and 880-52130 and analytical batch 880-52275 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: S-6 (2.0') (880-27677-31), S-6 (3.0') (880-27677-32), S-6 (4.0') (880-27677-33), S-6 (5.0') (880-27677-34), S-7 (0-1.0') (880-27677-35), S-7 (1.5') (880-27677-36), S-7 (2.0') (880-27677-37), S-7 (3.0') (880-27677-38), (880-27677-A-31-D MS) and (880-27677-A-31-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: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-1
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.16		0.498		mg/Kg		05/01/23 09:43	05/02/23 05:15	250
Toluene	18.6		0.498		mg/Kg		05/01/23 09:43	05/02/23 05:15	250
Ethylbenzene	19.1		0.498		mg/Kg		05/01/23 09:43	05/02/23 05:15	250
m-Xylene & p-Xylene	43.5		0.996		mg/Kg		05/01/23 09:43	05/02/23 05:15	250
o-Xylene	12.1		0.498		mg/Kg		05/01/23 09:43	05/02/23 05:15	250
Xylenes, Total	55.6		0.996		mg/Kg		05/01/23 09:43	05/02/23 05:15	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*217*	*S1+*	*70 - 130*	*05/01/23 09:43*	*05/02/23 05:15*	*250*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/01/23 09:43*	*05/02/23 05:15*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	94.5		0.996		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12400		498		mg/Kg			04/28/23 09:16	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	3330		498		mg/Kg		04/27/23 11:39	04/27/23 19:12	10
Diesel Range Organics (Over C10-C28)	9080		498		mg/Kg		04/27/23 11:39	04/27/23 19:12	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		04/27/23 11:39	04/27/23 19:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/27/23 11:39*	*04/27/23 19:12*	*10*
o-Terphenyl	*147*	*S1+*	*70 - 130*	*04/27/23 11:39*	*04/27/23 19:12*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.8		5.00		mg/Kg			04/29/23 07:43	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-27677-2
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.157		0.0201		mg/Kg		05/01/23 09:43	05/02/23 02:52	10
Toluene	0.922		0.0994		mg/Kg		04/27/23 10:00	04/29/23 02:17	50
Ethylbenzene	1.03		0.0994		mg/Kg		04/27/23 10:00	04/29/23 02:17	50
m-Xylene & p-Xylene	3.27		0.199		mg/Kg		04/27/23 10:00	04/29/23 02:17	50
o-Xylene	1.32		0.0994		mg/Kg		04/27/23 10:00	04/29/23 02:17	50
Xylenes, Total	4.59		0.199		mg/Kg		04/27/23 10:00	04/29/23 02:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*04/27/23 10:00*	*04/29/23 02:17*	*50*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/27/23 10:00*	*04/29/23 02:17*	*50*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**6.70**		0.199		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1210**		50.0		mg/Kg			04/28/23 09:16	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	**292**		50.0		mg/Kg		04/27/23 11:39	04/27/23 18:50	1
Diesel Range Organics (Over C10-C28)	**915**		50.0		mg/Kg		04/27/23 11:39	04/27/23 18:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/27/23 11:39*	*04/27/23 18:50*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/27/23 11:39*	*04/27/23 18:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**373**		5.01		mg/Kg			04/29/23 07:59	1

Client Sample ID: S-1 (2.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0365**		0.0200		mg/Kg		05/01/23 09:43	05/02/23 03:12	10
Toluene	<0.0200	U	0.0200		mg/Kg		05/01/23 09:43	05/02/23 03:12	10
Ethylbenzene	<0.0200	U	0.0200		mg/Kg		05/01/23 09:43	05/02/23 03:12	10
m-Xylene & p-Xylene	<0.0401	U	0.0401		mg/Kg		05/01/23 09:43	05/02/23 03:12	10
o-Xylene	**0.0281**		0.0200		mg/Kg		05/01/23 09:43	05/02/23 03:12	10
Xylenes, Total	<0.0401	U	0.0401		mg/Kg		05/01/23 09:43	05/02/23 03:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/01/23 09:43*	*05/02/23 03:12*	*10*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/01/23 09:43*	*05/02/23 03:12*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0646**		0.0401		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**87.9**		49.9		mg/Kg			04/28/23 09:16	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		04/27/23 11:39	04/27/23 14:58	1
Diesel Range Organics (Over C10-C28)	**87.9**		49.9		mg/Kg		04/27/23 11:39	04/27/23 14:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-27677-3
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*04/27/23 11:39*	*04/27/23 14:58*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/27/23 11:39*	*04/27/23 14:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**106**		5.03		mg/Kg			04/29/23 08:04	1

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-27677-4
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0199	U	0.0199		mg/Kg		05/01/23 09:43	05/02/23 03:33	10
Toluene	<0.0199	U	0.0199		mg/Kg		05/01/23 09:43	05/02/23 03:33	10
Ethylbenzene	<0.0199	U	0.0199		mg/Kg		05/01/23 09:43	05/02/23 03:33	10
m-Xylene & p-Xylene	**0.108**		0.0398		mg/Kg		05/01/23 09:43	05/02/23 03:33	10
o-Xylene	**0.0256**		0.0199		mg/Kg		05/01/23 09:43	05/02/23 03:33	10
Xylenes, Total	**0.134**		0.0398		mg/Kg		05/01/23 09:43	05/02/23 03:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*05/01/23 09:43*	*05/02/23 03:33*	*10*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*05/01/23 09:43*	*05/02/23 03:33*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.134**		0.0398		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**78.0**		49.9		mg/Kg			04/28/23 09:16	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		04/27/23 11:39	04/27/23 15:19	1
Diesel Range Organics (Over C10-C28)	**78.0**		49.9		mg/Kg		04/27/23 11:39	04/27/23 15:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*04/27/23 11:39*	*04/27/23 15:19*	*1*
o-Terphenyl	*89*		*70 - 130*	*04/27/23 11:39*	*04/27/23 15:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		4.98		mg/Kg			04/29/23 08:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (4.0')

Lab Sample ID: 880-27677-5
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00994	U	0.00994		mg/Kg		05/01/23 09:43	05/02/23 03:53	5
Toluene	**0.0207**		0.00994		mg/Kg		05/01/23 09:43	05/02/23 03:53	5
Ethylbenzene	**0.0676**		0.0505		mg/Kg		04/27/23 10:00	04/29/23 01:16	25
m-Xylene & p-Xylene	**0.101**		0.101		mg/Kg		04/27/23 10:00	04/29/23 01:16	25
o-Xylene	**0.0608**		0.0505		mg/Kg		04/27/23 10:00	04/29/23 01:16	25
Xylenes, Total	**0.162**		0.101		mg/Kg		04/27/23 10:00	04/29/23 01:16	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/27/23 10:00*	*04/29/23 01:16*	*25*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/27/23 10:00*	*04/29/23 01:16*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.250**		0.101		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**203**		49.9		mg/Kg			04/28/23 09:16	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		04/27/23 11:39	04/27/23 15:41	1
Diesel Range Organics (Over C10-C28)	**203**		49.9		mg/Kg		04/27/23 11:39	04/27/23 15:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*04/27/23 11:39*	*04/27/23 15:41*	*1*
o-Terphenyl	*85*		*70 - 130*	*04/27/23 11:39*	*04/27/23 15:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		5.02		mg/Kg			04/29/23 08:15	1

Client Sample ID: S-1 (5.0')

Lab Sample ID: 880-27677-6
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00998	U	0.00998		mg/Kg		05/01/23 09:43	05/02/23 04:14	5
Toluene	**0.0220**		0.00998		mg/Kg		05/01/23 09:43	05/02/23 04:14	5
Ethylbenzene	**0.0653**		0.0498		mg/Kg		04/27/23 10:00	04/29/23 01:36	25
m-Xylene & p-Xylene	**0.156**		0.0996		mg/Kg		04/27/23 10:00	04/29/23 01:36	25
o-Xylene	**0.0537**		0.0498		mg/Kg		04/27/23 10:00	04/29/23 01:36	25
Xylenes, Total	**0.210**		0.0996		mg/Kg		04/27/23 10:00	04/29/23 01:36	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/27/23 10:00*	*04/29/23 01:36*	*25*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/27/23 10:00*	*04/29/23 01:36*	*25*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (5.0')

Lab Sample ID: 880-27677-6
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.297**		0.0996		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**183**		49.8		mg/Kg			04/28/23 09:16	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	<49.8	U	49.8		mg/Kg		04/27/23 11:39	04/27/23 16:01	1
Diesel Range Organics (Over C10-C28)	**183**		49.8		mg/Kg		04/27/23 11:39	04/27/23 16:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/23 11:39	04/27/23 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/27/23 11:39*	*04/27/23 16:01*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/27/23 11:39*	*04/27/23 16:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		5.05		mg/Kg			04/29/23 08:31	1

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

Lab Sample ID: 880-27677-7
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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		04/27/23 10:00	04/28/23 23:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/27/23 10:00	04/28/23 23:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/27/23 10:00	04/28/23 23:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/27/23 10:00	04/28/23 23:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/27/23 10:00	04/28/23 23:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/27/23 10:00	04/28/23 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/23 10:00*	*04/28/23 23:54*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/27/23 10:00*	*04/28/23 23:54*	*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			05/01/23 09:22	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			04/28/23 09:16	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		04/27/23 11:39	04/27/23 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 16:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-7
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*04/27/23 11:39*	*04/27/23 16:23*	*1*
o-Terphenyl	*81*		*70 - 130*	*04/27/23 11:39*	*04/27/23 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**445**		5.04		mg/Kg			04/29/23 08:36	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-27677-8
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:00	04/29/23 00:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:00	04/29/23 00:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:00	04/29/23 00:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/23 10:00	04/29/23 00:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:00	04/29/23 00:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 10:00	04/29/23 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/27/23 10:00*	*04/29/23 00:15*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/27/23 10:00*	*04/29/23 00:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 09:22	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			04/28/23 09:16	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		04/27/23 11:39	04/27/23 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 16:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*04/27/23 11:39*	*04/27/23 16:44*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/27/23 11:39*	*04/27/23 16:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.5**		4.98		mg/Kg			04/29/23 08:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-27677-9
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/29/23 00:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/29/23 00:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/29/23 00:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/23 10:00	04/29/23 00:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/29/23 00:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/23 10:00	04/29/23 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/27/23 10:00*	*04/29/23 00:35*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/27/23 10:00*	*04/29/23 00:35*	*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			05/01/23 09:22	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			04/28/23 09:16	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		04/27/23 11:39	04/27/23 17:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 17:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*04/27/23 11:39*	*04/27/23 17:05*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/27/23 11:39*	*04/27/23 17:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		4.95		mg/Kg			04/29/23 08:47	1

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-27677-10
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:00	04/29/23 00:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:00	04/29/23 00:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:00	04/29/23 00:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/27/23 10:00	04/29/23 00:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:00	04/29/23 00:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/27/23 10:00	04/29/23 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/27/23 10:00*	*04/29/23 00:55*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/27/23 10:00*	*04/29/23 00:55*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (3.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**72.4**		49.9		mg/Kg			04/28/23 09:16	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		04/27/23 11:39	04/27/23 13:56	1
Diesel Range Organics (Over C10-C28)	**72.4**		49.9		mg/Kg		04/27/23 11:39	04/27/23 13:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/27/23 11:39*	*04/27/23 13:56*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/27/23 11:39*	*04/27/23 13:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**508**		5.04		mg/Kg			04/29/23 08:53	1

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

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.53**		0.497		mg/Kg		05/01/23 09:43	05/02/23 05:36	250
Toluene	**26.2**		0.497		mg/Kg		05/01/23 09:43	05/02/23 05:36	250
Ethylbenzene	**21.7**		0.497		mg/Kg		05/01/23 09:43	05/02/23 05:36	250
m-Xylene & p-Xylene	**52.9**		0.994		mg/Kg		05/01/23 09:43	05/02/23 05:36	250
o-Xylene	**18.9**		0.497		mg/Kg		05/01/23 09:43	05/02/23 05:36	250
Xylenes, Total	**71.8**		0.994		mg/Kg		05/01/23 09:43	05/02/23 05:36	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*	*05/01/23 09:43*	*05/02/23 05:36*	*250*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*05/01/23 09:43*	*05/02/23 05:36*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**122**		0.994		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6080**		249		mg/Kg			04/28/23 09:16	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	**2120**		249		mg/Kg		04/27/23 11:39	04/27/23 19:33	5
Diesel Range Organics (Over C10-C28)	**3960**		249		mg/Kg		04/27/23 11:39	04/27/23 19:33	5

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-11
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<249	U	249		mg/Kg		04/27/23 11:39	04/27/23 19:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*04/27/23 11:39*	*04/27/23 19:33*	*5*
o-Terphenyl	*98*		*70 - 130*	*04/27/23 11:39*	*04/27/23 19:33*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		5.01		mg/Kg			04/29/23 08:58	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-27677-12
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.13**		0.503		mg/Kg		05/01/23 09:09	05/01/23 14:33	250
Toluene	**16.1**		0.503		mg/Kg		05/01/23 09:09	05/01/23 14:33	250
Ethylbenzene	**11.8**		0.503		mg/Kg		05/01/23 09:09	05/01/23 14:33	250
m-Xylene & p-Xylene	**31.5**		1.01		mg/Kg		05/01/23 09:09	05/01/23 14:33	250
o-Xylene	**10.9**		0.503		mg/Kg		05/01/23 09:09	05/01/23 14:33	250
Xylenes, Total	**42.4**		1.01		mg/Kg		05/01/23 09:09	05/01/23 14:33	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 14:33*	*250*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*05/01/23 09:09*	*05/01/23 14:33*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**71.4**		1.01		mg/Kg			05/01/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**917**		49.9		mg/Kg			04/28/23 09:16	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	**533**		49.9		mg/Kg		04/27/23 11:39	04/27/23 17:25	1
Diesel Range Organics (Over C10-C28)	**384**		49.9		mg/Kg		04/27/23 11:39	04/27/23 17:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/27/23 11:39*	*04/27/23 17:25*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/27/23 11:39*	*04/27/23 17:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.7**		4.97		mg/Kg			04/29/23 09:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2.0')

Lab Sample ID: 880-27677-13
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.554		0.0990		mg/Kg		04/27/23 10:00	04/29/23 05:29	50
Toluene	8.91		0.0990		mg/Kg		04/27/23 10:00	04/29/23 05:29	50
Ethylbenzene	4.19		0.0990		mg/Kg		04/27/23 10:00	04/29/23 05:29	50
m-Xylene & p-Xylene	15.1		0.198		mg/Kg		04/27/23 10:00	04/29/23 05:29	50
o-Xylene	5.89		0.0990		mg/Kg		04/27/23 10:00	04/29/23 05:29	50
Xylenes, Total	21.0		0.198		mg/Kg		04/27/23 10:00	04/29/23 05:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*04/27/23 10:00*	*04/29/23 05:29*	*50*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*04/27/23 10:00*	*04/29/23 05:29*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	34.6		0.198		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1510		49.9		mg/Kg			04/28/23 09:16	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	719		49.9		mg/Kg		04/27/23 11:39	04/27/23 17:46	1
Diesel Range Organics (Over C10-C28)	792		49.9		mg/Kg		04/27/23 11:39	04/27/23 17:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*04/27/23 11:39*	*04/27/23 17:46*	*1*
o-Terphenyl	*85*		*70 - 130*	*04/27/23 11:39*	*04/27/23 17:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		4.96		mg/Kg			04/29/23 09:19	1

Client Sample ID: S-3 (3.0')

Lab Sample ID: 880-27677-14
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.14		0.501		mg/Kg		05/01/23 09:09	05/01/23 15:56	250
Toluene	38.5		0.501		mg/Kg		05/01/23 09:09	05/01/23 15:56	250
Ethylbenzene	21.2		0.501		mg/Kg		05/01/23 09:09	05/01/23 15:56	250
m-Xylene & p-Xylene	57.7		1.00		mg/Kg		05/01/23 09:09	05/01/23 15:56	250
o-Xylene	18.8		0.501		mg/Kg		05/01/23 09:09	05/01/23 15:56	250
Xylenes, Total	76.5		1.00		mg/Kg		05/01/23 09:09	05/01/23 15:56	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 15:56*	*250*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*05/01/23 09:09*	*05/01/23 15:56*	*250*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (3.0')

Lab Sample ID: 880-27677-14
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	140		1.00		mg/Kg			05/01/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4300		50.0		mg/Kg			04/28/23 09:16	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	2100		50.0		mg/Kg		04/27/23 11:39	04/27/23 20:37	1
Diesel Range Organics (Over C10-C28)	2200		50.0		mg/Kg		04/27/23 11:39	04/27/23 20:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/27/23 11:39*	*04/27/23 20:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*04/27/23 11:39*	*04/27/23 20:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.00		mg/Kg			04/29/23 09:35	1

Client Sample ID: S-3 (4.0')

Lab Sample ID: 880-27677-15
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.00		0.498		mg/Kg		05/01/23 09:09	05/01/23 16:17	250
Toluene	22.5		0.498		mg/Kg		05/01/23 09:09	05/01/23 16:17	250
Ethylbenzene	15.3		0.498		mg/Kg		05/01/23 09:09	05/01/23 16:17	250
m-Xylene & p-Xylene	38.7		0.996		mg/Kg		05/01/23 09:09	05/01/23 16:17	250
o-Xylene	12.2		0.498		mg/Kg		05/01/23 09:09	05/01/23 16:17	250
Xylenes, Total	50.9		0.996		mg/Kg		05/01/23 09:09	05/01/23 16:17	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 16:17*	*250*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*05/01/23 09:09*	*05/01/23 16:17*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	90.7		0.996		mg/Kg			05/01/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2550		50.0		mg/Kg			04/28/23 09:16	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	1160		50.0		mg/Kg		04/27/23 11:39	04/27/23 21:19	1
Diesel Range Organics (Over C10-C28)	1390		50.0		mg/Kg		04/27/23 11:39	04/27/23 21:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (4.0')

Lab Sample ID: 880-27677-15
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/27/23 11:39*	*04/27/23 21:19*	*1*
o-Terphenyl	*85*		*70 - 130*	*04/27/23 11:39*	*04/27/23 21:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**195**		5.03		mg/Kg			04/29/23 09:41	1

Client Sample ID: S-3 (5.0')

Lab Sample ID: 880-27677-16
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.267**		0.0201		mg/Kg		05/01/23 09:43	05/02/23 04:34	10
Toluene	**0.836**		0.0998		mg/Kg		04/27/23 10:00	04/29/23 06:31	50
Ethylbenzene	**0.913**		0.0998		mg/Kg		04/27/23 10:00	04/29/23 06:31	50
m-Xylene & p-Xylene	**3.32**		0.200		mg/Kg		04/27/23 10:00	04/29/23 06:31	50
o-Xylene	**1.35**		0.0998		mg/Kg		04/27/23 10:00	04/29/23 06:31	50
Xylenes, Total	**4.67**		0.200		mg/Kg		04/27/23 10:00	04/29/23 06:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*04/27/23 10:00*	*04/29/23 06:31*	*50*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*04/27/23 10:00*	*04/29/23 06:31*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**6.69**		0.200		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**911**		50.0		mg/Kg			04/28/23 09:16	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	**235**		50.0		mg/Kg		04/27/23 11:39	04/27/23 18:29	1
Diesel Range Organics (Over C10-C28)	**676**		50.0		mg/Kg		04/27/23 11:39	04/27/23 18:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/27/23 11:39*	*04/27/23 18:29*	*1*
o-Terphenyl	*86*		*70 - 130*	*04/27/23 11:39*	*04/27/23 18:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**339**		4.99		mg/Kg			04/29/23 09:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-17
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.585		0.495		mg/Kg		05/01/23 09:09	05/01/23 16:37	250
Toluene	11.5		0.495		mg/Kg		05/01/23 09:09	05/01/23 16:37	250
Ethylbenzene	14.2		0.495		mg/Kg		05/01/23 09:09	05/01/23 16:37	250
m-Xylene & p-Xylene	36.1		0.990		mg/Kg		05/01/23 09:09	05/01/23 16:37	250
o-Xylene	13.1		0.495		mg/Kg		05/01/23 09:09	05/01/23 16:37	250
Xylenes, Total	49.2		0.990		mg/Kg		05/01/23 09:09	05/01/23 16:37	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 16:37*	*250*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/01/23 09:09*	*05/01/23 16:37*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	75.5		0.990		mg/Kg			05/01/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5290		249		mg/Kg			04/28/23 09:16	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	1690		249		mg/Kg		04/27/23 11:39	04/27/23 19:54	5
Diesel Range Organics (Over C10-C28)	3600		249		mg/Kg		04/27/23 11:39	04/27/23 19:54	5
OII Range Organics (Over C28-C36)	<249	U	249		mg/Kg		04/27/23 11:39	04/27/23 19:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/27/23 11:39*	*04/27/23 19:54*	*5*
o-Terphenyl	*90*		*70 - 130*	*04/27/23 11:39*	*04/27/23 19:54*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.4		5.04		mg/Kg			04/29/23 09:51	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-27677-18
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.40		0.497		mg/Kg		05/01/23 09:09	05/01/23 16:58	250
Toluene	35.5		0.497		mg/Kg		05/01/23 09:09	05/01/23 16:58	250
Ethylbenzene	23.5		0.497		mg/Kg		05/01/23 09:09	05/01/23 16:58	250
m-Xylene & p-Xylene	53.9		0.994		mg/Kg		05/01/23 09:09	05/01/23 16:58	250
o-Xylene	19.5		0.497		mg/Kg		05/01/23 09:09	05/01/23 16:58	250
Xylenes, Total	73.4		0.994		mg/Kg		05/01/23 09:09	05/01/23 16:58	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 16:58*	*250*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*05/01/23 09:09*	*05/01/23 16:58*	*250*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-27677-18
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	137		0.994		mg/Kg			05/01/23 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8230		249		mg/Kg			04/28/23 09:16	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	3490		249		mg/Kg		04/27/23 11:39	04/27/23 20:16	5
Diesel Range Organics (Over C10-C28)	4740		249		mg/Kg		04/27/23 11:39	04/27/23 20:16	5
OII Range Organics (Over C28-C36)	<249	U	249		mg/Kg		04/27/23 11:39	04/27/23 20:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*04/27/23 11:39*	*04/27/23 20:16*	*5*
o-Terphenyl	*104*		*70 - 130*	*04/27/23 11:39*	*04/27/23 20:16*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.7		5.03		mg/Kg			04/29/23 09:57	1

Client Sample ID: S-4 (2.0')

Lab Sample ID: 880-27677-19
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.20		0.499		mg/Kg		05/01/23 09:09	05/01/23 17:18	250
Toluene	53.2		0.499		mg/Kg		05/01/23 09:09	05/01/23 17:18	250
Ethylbenzene	27.5		0.499		mg/Kg		05/01/23 09:09	05/01/23 17:18	250
m-Xylene & p-Xylene	73.5		0.998		mg/Kg		05/01/23 09:09	05/01/23 17:18	250
o-Xylene	24.7		0.499		mg/Kg		05/01/23 09:09	05/01/23 17:18	250
Xylenes, Total	98.2		0.998		mg/Kg		05/01/23 09:09	05/01/23 17:18	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*178*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 17:18*	*250*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*05/01/23 09:09*	*05/01/23 17:18*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	185		0.998		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6810		50.0		mg/Kg			04/28/23 09:16	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	3370		50.0		mg/Kg		04/27/23 11:39	04/27/23 20:58	1
Diesel Range Organics (Over C10-C28)	3440		50.0		mg/Kg		04/27/23 11:39	04/27/23 20:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (2.0')

Lab Sample ID: 880-27677-19
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:39	04/27/23 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/27/23 11:39*	*04/27/23 20:58*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/27/23 11:39*	*04/27/23 20:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		4.97		mg/Kg			04/29/23 10:02	1

Client Sample ID: S-4 (3.0')

Lab Sample ID: 880-27677-20
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.115**		0.0200		mg/Kg		05/01/23 09:43	05/02/23 04:55	10
Toluene	**0.462**		0.101		mg/Kg		04/27/23 10:00	04/29/23 07:53	50
Ethylbenzene	**0.893**		0.101		mg/Kg		04/27/23 10:00	04/29/23 07:53	50
m-Xylene & p-Xylene	**1.90**		0.201		mg/Kg		04/27/23 10:00	04/29/23 07:53	50
o-Xylene	**0.866**		0.101		mg/Kg		04/27/23 10:00	04/29/23 07:53	50
Xylenes, Total	**2.77**		0.201		mg/Kg		04/27/23 10:00	04/29/23 07:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/27/23 10:00*	*04/29/23 07:53*	*50*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/27/23 10:00*	*04/29/23 07:53*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**4.24**		0.201		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1470**		49.9		mg/Kg			04/28/23 09:16	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	**257**		49.9		mg/Kg		04/27/23 11:39	04/27/23 21:40	1
Diesel Range Organics (Over C10-C28)	**1210**		49.9		mg/Kg		04/27/23 11:39	04/27/23 21:40	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:39	04/27/23 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/27/23 11:39*	*04/27/23 21:40*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/27/23 11:39*	*04/27/23 21:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**294**		4.97		mg/Kg			04/29/23 10:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (4.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.100	U	0.100		mg/Kg		04/27/23 10:02	04/28/23 00:43	50
Toluene	<0.100	U	0.100		mg/Kg		04/27/23 10:02	04/28/23 00:43	50
Ethylbenzene	**0.220**		0.100		mg/Kg		04/27/23 10:02	04/28/23 00:43	50
m-Xylene & p-Xylene	**0.671**		0.200		mg/Kg		04/27/23 10:02	04/28/23 00:43	50
o-Xylene	**0.282**		0.100		mg/Kg		04/27/23 10:02	04/28/23 00:43	50
Xylenes, Total	**0.953**		0.200		mg/Kg		04/27/23 10:02	04/28/23 00:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/23 10:02*	*04/28/23 00:43*	*50*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/27/23 10:02*	*04/28/23 00:43*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.17**		0.200		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**458**		49.8		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**85.3**		49.8		mg/Kg		04/27/23 11:47	04/28/23 11:51	1
Diesel Range Organics (Over C10-C28)	**373**		49.8		mg/Kg		04/27/23 11:47	04/28/23 11:51	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 11:51*	*1*
o-Terphenyl	*174*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 11:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**186**	**F1**	4.96		mg/Kg			04/29/23 04:40	1

Client Sample ID: S-4 (5.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/27/23 23:41	1
Toluene	**0.00204**		0.00199		mg/Kg		04/27/23 10:02	04/27/23 23:41	1
Ethylbenzene	**0.00580**	**F1**	0.00199		mg/Kg		04/27/23 10:02	04/27/23 23:41	1
m-Xylene & p-Xylene	**0.0233**	**F1**	0.00398		mg/Kg		04/27/23 10:02	04/27/23 23:41	1
o-Xylene	**0.00947**	**F1**	0.00199		mg/Kg		04/27/23 10:02	04/27/23 23:41	1
Xylenes, Total	**0.0328**	**F1**	0.00398		mg/Kg		04/27/23 10:02	04/27/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*04/27/23 10:02*	*04/27/23 23:41*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/27/23 10:02*	*04/27/23 23:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (5.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0406**		0.00398		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**110**		50.0		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 12:56	1
Diesel Range Organics (Over C10-C28)	**110**		50.0		mg/Kg		04/27/23 11:47	04/28/23 12:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*04/27/23 11:47*	*04/28/23 12:56*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 12:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**204**		4.99		mg/Kg			04/29/23 04:56	1

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

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:03	50
Toluene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:03	50
Ethylbenzene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:03	50
m-Xylene & p-Xylene	<0.200	U	0.200		mg/Kg		04/27/23 10:02	04/28/23 01:03	50
o-Xylene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:03	50
Xylenes, Total	<0.200	U	0.200		mg/Kg		04/27/23 10:02	04/28/23 01:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/23 10:02*	*04/28/23 01:03*	*50*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/27/23 10:02*	*04/28/23 01:03*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.200	U	0.200		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**160**		49.9		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 13:18	1
Diesel Range Organics (Over C10-C28)	**160**		49.9		mg/Kg		04/27/23 11:47	04/28/23 13:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-23
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 13:18*	*1*
o-Terphenyl	*163*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**389**		4.95		mg/Kg			04/29/23 05:01	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-27677-24
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		04/27/23 10:02	04/28/23 01:24	50
Toluene	<0.101	U	0.101		mg/Kg		04/27/23 10:02	04/28/23 01:24	50
Ethylbenzene	<0.101	U	0.101		mg/Kg		04/27/23 10:02	04/28/23 01:24	50
m-Xylene & p-Xylene	<0.201	U	0.201		mg/Kg		04/27/23 10:02	04/28/23 01:24	50
o-Xylene	<0.101	U	0.101		mg/Kg		04/27/23 10:02	04/28/23 01:24	50
Xylenes, Total	<0.201	U	0.201		mg/Kg		04/27/23 10:02	04/28/23 01:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/23 10:02*	*04/28/23 01:24*	*50*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/27/23 10:02*	*04/28/23 01:24*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.201	U	0.201		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 13:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 13:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 13:39*	*1*
o-Terphenyl	*157*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		49.5		mg/Kg			04/29/23 05:07	10

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (2.0')

Lab Sample ID: 880-27677-25
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:44	50
Toluene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:44	50
Ethylbenzene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:44	50
m-Xylene & p-Xylene	<0.200	U	0.200		mg/Kg		04/27/23 10:02	04/28/23 01:44	50
o-Xylene	<0.0998	U	0.0998		mg/Kg		04/27/23 10:02	04/28/23 01:44	50
Xylenes, Total	<0.200	U	0.200		mg/Kg		04/27/23 10:02	04/28/23 01:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/23 10:02*	*04/28/23 01:44*	*50*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/27/23 10:02*	*04/28/23 01:44*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.200	U	0.200		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**135**		49.9		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 14:00	1
Diesel Range Organics (Over C10-C28)	**135**		49.9		mg/Kg		04/27/23 11:47	04/28/23 14:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 14:00*	*1*
o-Terphenyl	*157*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 14:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1080**		50.1		mg/Kg			04/29/23 05:12	10

Client Sample ID: S-5 (3.0')

Lab Sample ID: 880-27677-26
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0996	U	0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:04	50
Toluene	<0.0996	U	0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:04	50
Ethylbenzene	<0.0996	U	0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:04	50
m-Xylene & p-Xylene	<0.199	U	0.199		mg/Kg		04/27/23 10:02	04/28/23 02:04	50
o-Xylene	<0.0996	U	0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:04	50
Xylenes, Total	<0.199	U	0.199		mg/Kg		04/27/23 10:02	04/28/23 02:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/27/23 10:02*	*04/28/23 02:04*	*50*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/27/23 10:02*	*04/28/23 02:04*	*50*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (3.0')

Lab Sample ID: 880-27677-26
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.199	U	0.199		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 14:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 14:22	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*04/27/23 11:47*	*04/28/23 14:22*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 14:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		50.3		mg/Kg			04/29/23 05:28	10

Client Sample ID: S-5 (4.0')

Lab Sample ID: 880-27677-27
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 00:02	1
Toluene	**0.00269**		0.00199		mg/Kg		04/27/23 10:02	04/28/23 00:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 00:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/23 10:02	04/28/23 00:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 00:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 10:02	04/28/23 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/23 10:02*	*04/28/23 00:02*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/27/23 10:02*	*04/28/23 00:02*	*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			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 14:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (4.0')

Lab Sample ID: 880-27677-27
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 14:43*	*1*
o-Terphenyl	*177*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 14:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**816**		25.2		mg/Kg			04/29/23 05:34	5

Client Sample ID: S-5 (5.0')

Lab Sample ID: 880-27677-28
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/28/23 00:22	1
Toluene	**0.00339**		0.00200		mg/Kg		04/27/23 10:02	04/28/23 00:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/28/23 00:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/23 10:02	04/28/23 00:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/28/23 00:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/23 10:02	04/28/23 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*04/27/23 10:02*	*04/28/23 00:22*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/27/23 10:02*	*04/28/23 00:22*	*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			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 15:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 15:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 15:05*	*1*
o-Terphenyl	*160*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 15:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**964**		25.0		mg/Kg			04/29/23 05:39	5

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-29
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.726		0.100		mg/Kg		04/28/23 08:47	04/28/23 20:17	50
Toluene	9.35		0.100		mg/Kg		04/28/23 08:47	04/28/23 20:17	50
Ethylbenzene	4.85		0.100		mg/Kg		04/28/23 08:47	04/28/23 20:17	50
m-Xylene & p-Xylene	16.4		0.201		mg/Kg		04/28/23 08:47	04/28/23 20:17	50
o-Xylene	6.74		0.100		mg/Kg		04/28/23 08:47	04/28/23 20:17	50
Xylenes, Total	23.1		0.201		mg/Kg		04/28/23 08:47	04/28/23 20:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/28/23 08:47*	*04/28/23 20:17*	*50*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/28/23 08:47*	*04/28/23 20:17*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	38.1		0.201		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14400		250		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5240		250		mg/Kg		04/27/23 11:47	04/28/23 15:26	5
Diesel Range Organics (Over C10-C28)	8100		250		mg/Kg		04/27/23 11:47	04/28/23 15:26	5
Oil Range Organics (Over C28-C36)	1070		250		mg/Kg		04/27/23 11:47	04/28/23 15:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*300*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 15:26*	*5*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 15:26*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		4.96		mg/Kg			04/29/23 05:44	1

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-27677-30
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.673		0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:45	50
Toluene	9.11		0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:45	50
Ethylbenzene	5.66		0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:45	50
m-Xylene & p-Xylene	17.9		0.199		mg/Kg		04/27/23 10:02	04/28/23 02:45	50
o-Xylene	6.21		0.0996		mg/Kg		04/27/23 10:02	04/28/23 02:45	50
Xylenes, Total	24.1		0.199		mg/Kg		04/27/23 10:02	04/28/23 02:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/27/23 10:02*	*04/28/23 02:45*	*50*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*04/27/23 10:02*	*04/28/23 02:45*	*50*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-27677-30
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	39.6		0.199		mg/Kg			04/28/23 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5820		49.9		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2160		49.9		mg/Kg		04/27/23 11:47	04/28/23 15:48	1
Diesel Range Organics (Over C10-C28)	3220		49.9		mg/Kg		04/27/23 11:47	04/28/23 15:48	1
Oil Range Organics (Over C28-C36)	440		49.9		mg/Kg		04/27/23 11:47	04/28/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*161*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 15:48*	*1*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 15:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	343		4.97		mg/Kg			04/29/23 05:50	1

Client Sample ID: S-6 (2.0')

Lab Sample ID: 880-27677-31
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.42		0.501		mg/Kg		05/01/23 09:09	05/01/23 17:59	250
Toluene	34.0		0.501		mg/Kg		05/01/23 09:09	05/01/23 17:59	250
Ethylbenzene	23.0		0.501		mg/Kg		05/01/23 09:09	05/01/23 17:59	250
m-Xylene & p-Xylene	60.9		1.00		mg/Kg		05/01/23 09:09	05/01/23 17:59	250
o-Xylene	19.5		0.501		mg/Kg		05/01/23 09:09	05/01/23 17:59	250
Xylenes, Total	80.4		1.00		mg/Kg		05/01/23 09:09	05/01/23 17:59	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 17:59*	*250*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/01/23 09:09*	*05/01/23 17:59*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	141		1.00		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7030		49.8		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2770		49.8		mg/Kg		04/27/23 11:47	04/28/23 16:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (2.0')

Lab Sample ID: 880-27677-31
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	3760		49.8		mg/Kg		04/27/23 11:47	04/28/23 16:31	1
Oil Range Organics (Over C28-C36)	500		49.8		mg/Kg		04/27/23 11:47	04/28/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 16:31*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	584	F1	5.05		mg/Kg			04/29/23 05:55	1

Client Sample ID: S-6 (3.0')

Lab Sample ID: 880-27677-32
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.64		0.498		mg/Kg		05/01/23 09:09	05/01/23 18:20	250
Toluene	59.6		0.498		mg/Kg		05/01/23 09:09	05/01/23 18:20	250
Ethylbenzene	33.9		0.498		mg/Kg		05/01/23 09:09	05/01/23 18:20	250
m-Xylene & p-Xylene	92.4		0.996		mg/Kg		05/01/23 09:09	05/01/23 18:20	250
o-Xylene	32.4		0.498		mg/Kg		05/01/23 09:09	05/01/23 18:20	250
Xylenes, Total	125		0.996		mg/Kg		05/01/23 09:09	05/01/23 18:20	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*202*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 18:20*	*250*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*05/01/23 09:09*	*05/01/23 18:20*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	226		0.996		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14300		250		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	6010		250		mg/Kg		04/27/23 11:47	04/28/23 16:52	5
Diesel Range Organics (Over C10-C28)	7380		250		mg/Kg		04/27/23 11:47	04/28/23 16:52	5
Oil Range Organics (Over C28-C36)	959		250		mg/Kg		04/27/23 11:47	04/28/23 16:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*301*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 16:52*	*5*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 16:52*	*5*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (3.0')

Lab Sample ID: 880-27677-32
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		24.9		mg/Kg			04/29/23 06:11	5

Client Sample ID: S-6 (4.0')

Lab Sample ID: 880-27677-33
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.71		0.499		mg/Kg		05/01/23 09:09	05/01/23 18:40	250
Toluene	45.6		0.499		mg/Kg		05/01/23 09:09	05/01/23 18:40	250
Ethylbenzene	29.7		0.499		mg/Kg		05/01/23 09:09	05/01/23 18:40	250
m-Xylene & p-Xylene	84.9		0.998		mg/Kg		05/01/23 09:09	05/01/23 18:40	250
o-Xylene	29.5		0.499		mg/Kg		05/01/23 09:09	05/01/23 18:40	250
Xylenes, Total	114		0.998		mg/Kg		05/01/23 09:09	05/01/23 18:40	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*196*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 18:40*	*250*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*05/01/23 09:09*	*05/01/23 18:40*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	193		0.998		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13500		249		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5040		249		mg/Kg		04/27/23 11:47	04/28/23 17:14	5
Diesel Range Organics (Over C10-C28)	7570		249		mg/Kg		04/27/23 11:47	04/28/23 17:14	5
Oil Range Organics (Over C28-C36)	937		249		mg/Kg		04/27/23 11:47	04/28/23 17:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*310*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 17:14*	*5*
o-Terphenyl	*155*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 17:14*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		24.9		mg/Kg			04/29/23 06:17	5

Client Sample ID: S-6 (5.0')

Lab Sample ID: 880-27677-34
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.61		0.497		mg/Kg		05/01/23 09:09	05/01/23 19:01	250
Toluene	45.6		0.497		mg/Kg		05/01/23 09:09	05/01/23 19:01	250
Ethylbenzene	24.3		0.497		mg/Kg		05/01/23 09:09	05/01/23 19:01	250

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (5.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-34
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	65.7		0.994		mg/Kg		05/01/23 09:09	05/01/23 19:01	250
o-Xylene	22.0		0.497		mg/Kg		05/01/23 09:09	05/01/23 19:01	250
Xylenes, Total	87.7		0.994		mg/Kg		05/01/23 09:09	05/01/23 19:01	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*	*05/01/23 09:09*	*05/01/23 19:01*	*250*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*05/01/23 09:09*	*05/01/23 19:01*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	163		0.994		mg/Kg			05/02/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11600		250		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4570		250		mg/Kg		04/27/23 11:47	04/28/23 17:36	5
Diesel Range Organics (Over C10-C28)	6210		250		mg/Kg		04/27/23 11:47	04/28/23 17:36	5
Oil Range Organics (Over C28-C36)	774		250		mg/Kg		04/27/23 11:47	04/28/23 17:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*253*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 17:36*	*5*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 17:36*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	594		4.96		mg/Kg			04/29/23 06:33	1

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

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-35
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 04:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 04:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 04:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/23 10:02	04/28/23 04:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:02	04/28/23 04:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 10:02	04/28/23 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/23 10:02*	*04/28/23 04:35*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/27/23 10:02*	*04/28/23 04:35*	*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			04/28/23 09:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-35
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	187		50.0		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	95.9		50.0		mg/Kg		04/27/23 11:47	04/28/23 17:57	1
Diesel Range Organics (Over C10-C28)	91.1		50.0		mg/Kg		04/27/23 11:47	04/28/23 17:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 17:57*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 17:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		5.04		mg/Kg			04/29/23 06:38	1

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-27677-36
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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		04/28/23 08:47	04/28/23 17:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/28/23 08:47	04/28/23 17:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/28/23 08:47	04/28/23 17:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/28/23 08:47	04/28/23 17:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/28/23 08:47	04/28/23 17:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/28/23 08:47	04/28/23 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/28/23 08:47*	*04/28/23 17:13*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*04/28/23 08:47*	*04/28/23 17:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/01/23 09:22	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			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/27/23 11:47*	*04/28/23 18:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-27677-36
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*150*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**418**		5.00		mg/Kg			04/29/23 06:43	1

Client Sample ID: S-7 (2.0')

Lab Sample ID: 880-27677-37
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/28/23 08:47	04/28/23 17:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/28/23 08:47	04/28/23 17:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/28/23 08:47	04/28/23 17:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/28/23 08:47	04/28/23 17:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/28/23 08:47	04/28/23 17:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/28/23 08:47	04/28/23 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/28/23 08:47*	*04/28/23 17:33*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*04/28/23 08:47*	*04/28/23 17:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 18:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 18:40	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/23 11:47	04/28/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 18:40*	*1*
o-Terphenyl	*161*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 18:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**252**		5.05		mg/Kg			04/29/23 06:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (3.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-38

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 17:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 17:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 17:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/28/23 08:47	04/28/23 17:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 17:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/28/23 08:47	04/28/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/28/23 08:47*	*04/28/23 17:54*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/28/23 08:47*	*04/28/23 17:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 19:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*04/27/23 11:47*	*04/28/23 19:02*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**263**		5.02		mg/Kg			04/29/23 06:54	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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)										
880-27677-1	S-1 (0-1.0')	217 S1+	107										
880-27677-2	S-1 (1.5')	78	84										
880-27677-3	S-1 (2.0')	96	114										
880-27677-4	S-1 (3.0')	66 S1-	114										
880-27677-5	S-1 (4.0')	95	103										
880-27677-6	S-1 (5.0')	92	103										
880-27677-7	S-2 (0-1.0')	98	107										
880-27677-7 MS	S-2 (0-1.0')	98	113										
880-27677-7 MSD	S-2 (0-1.0')	98	113										
880-27677-8	S-2 (1.5')	105	110										
880-27677-9	S-2 (2.0')	106	113										
880-27677-10	S-2 (3.0')	105	107										
880-27677-11	S-3 (0-1.0')	187 S1+	122										
880-27677-12	S-3 (1.5')	138 S1+	116										
880-27677-13	S-3 (2.0')	78	62 S1-										
880-27677-14	S-3 (3.0')	150 S1+	120										
880-27677-15	S-3 (4.0')	133 S1+	107										
880-27677-16	S-3 (5.0')	74	71										
880-27677-17	S-4 (0-1.0')	151 S1+	104										
880-27677-18	S-4 (1.5')	169 S1+	119										
880-27677-19	S-4 (2.0')	178 S1+	117										
880-27677-20	S-4 (3.0')	109	110										
880-27677-21	S-4 (4.0')	94	98										
880-27677-22	S-4 (5.0')	77	88										
880-27677-22 MS	S-4 (5.0')	85	102										
880-27677-22 MSD	S-4 (5.0')	84	96										
880-27677-23	S-5 (0-1.0')	99	110										
880-27677-24	S-5 (1.5')	97	103										
880-27677-25	S-5 (2.0')	97	106										
880-27677-26	S-5 (3.0')	93	105										
880-27677-27	S-5 (4.0')	101	111										
880-27677-28	S-5 (5.0')	95	102										
880-27677-29	S-6 (0-1.0')	97	101										
880-27677-30	S-6 (1.5')	98	81										
880-27677-31	S-6 (2.0')	167 S1+	106										
880-27677-32	S-6 (3.0')	202 S1+	126										
880-27677-33	S-6 (4.0')	196 S1+	126										
880-27677-34	S-6 (5.0')	168 S1+	119										
880-27677-35	S-7 (0-1.0')	94	108										
880-27677-36	S-7 (1.5')	102	111										
880-27677-37	S-7 (2.0')	111	109										
880-27677-38	S-7 (3.0')	110	108										
880-27756-A-1-B MS	Matrix Spike	111	107										
880-27756-A-1-C MSD	Matrix Spike Duplicate	107	108										
880-27757-A-1-A MS	Matrix Spike	108	104										
880-27757-A-1-B MSD	Matrix Spike Duplicate	112	102										
LCS 880-52088/1-A	Lab Control Sample	102	111										
LCS 880-52089/1-A	Lab Control Sample	95	115										
LCS 880-52162/1-A	Lab Control Sample	104	111										

Surrogate Summary

Client: Carmona Resources Job ID: 880-27677-1
Project/Site: Honey Graham 29 St Battery SDG: Eddy County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-52254/1-A	Lab Control Sample	114	102
LCS 880-52264/1-A	Lab Control Sample	101	104
LCSD 880-52088/2-A	Lab Control Sample Dup	107	112
LCSD 880-52089/2-A	Lab Control Sample Dup	101	109
LCSD 880-52162/2-A	Lab Control Sample Dup	104	111
LCSD 880-52254/2-A	Lab Control Sample Dup	117	104
LCSD 880-52264/2-A	Lab Control Sample Dup	110	105
MB 880-52038/5-A	Method Blank	90	103
MB 880-52088/5-A	Method Blank	92	101
MB 880-52089/5-A	Method Blank	88	99
MB 880-52162/5-A	Method Blank	89	99
MB 880-52254/5-A	Method Blank	68 S1-	91
MB 880-52264/5-A	Method Blank	66 S1-	78

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)
880-27677-1	S-1 (0-1.0')	120	147 S1+
880-27677-2	S-1 (1.5')	86	88
880-27677-3	S-1 (2.0')	78	88
880-27677-4	S-1 (3.0')	79	89
880-27677-5	S-1 (4.0')	82	85
880-27677-6	S-1 (5.0')	84	92
880-27677-7	S-2 (0-1.0')	76	81
880-27677-8	S-2 (1.5')	79	88
880-27677-9	S-2 (2.0')	78	88
880-27677-10	S-2 (3.0')	91	100
880-27677-10 MS	S-2 (3.0')	80	80
880-27677-10 MSD	S-2 (3.0')	80	81
880-27677-11	S-3 (0-1.0')	109	98
880-27677-12	S-3 (1.5')	86	88
880-27677-13	S-3 (2.0')	85	85
880-27677-14	S-3 (3.0')	100	87
880-27677-15	S-3 (4.0')	91	85
880-27677-16	S-3 (5.0')	87	86
880-27677-17	S-4 (0-1.0')	105	90
880-27677-18	S-4 (1.5')	128	104
880-27677-19	S-4 (2.0')	121	101
880-27677-20	S-4 (3.0')	92	94
880-27677-21	S-4 (4.0')	150 S1+	174 S1+
880-27677-21 MS	S-4 (4.0')	130	135 S1+
880-27677-21 MSD	S-4 (4.0')	125	132 S1+
880-27677-22	S-4 (5.0')	130	153 S1+
880-27677-23	S-5 (0-1.0')	141 S1+	163 S1+

Surrogate Summary

Client: Carmona Resources
Job ID: 880-27677-1
Project/Site: Honey Graham 29 St Battery
SDG: Eddy County, New Mexico

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)										
880-27677-24	S-5 (1.5')	131 S1+	157 S1+										
880-27677-25	S-5 (2.0')	132 S1+	157 S1+										
880-27677-26	S-5 (3.0')	129	153 S1+										
880-27677-27	S-5 (4.0')	151 S1+	177 S1+										
880-27677-28	S-5 (5.0')	137 S1+	160 S1+										
880-27677-29	S-6 (0-1.0')	300 S1+	151 S1+										
880-27677-30	S-6 (1.5')	161 S1+	142 S1+										
880-27677-31	S-6 (2.0')	160 S1+	139 S1+										
880-27677-32	S-6 (3.0')	301 S1+	144 S1+										
880-27677-33	S-6 (4.0')	310 S1+	155 S1+										
880-27677-34	S-6 (5.0')	253 S1+	146 S1+										
880-27677-35	S-7 (0-1.0')	133 S1+	156 S1+										
880-27677-36	S-7 (1.5')	125	150 S1+										
880-27677-37	S-7 (2.0')	139 S1+	161 S1+										
880-27677-38	S-7 (3.0')	123	144 S1+										
LCS 880-52113/2-A	Lab Control Sample	96	101										
LCS 880-52115/2-A	Lab Control Sample	115	136 S1+										
LCSD 880-52113/3-A	Lab Control Sample Dup	96	99										
LCSD 880-52115/3-A	Lab Control Sample Dup	116	136 S1+										
MB 880-52113/1-A	Method Blank	97	112										
MB 880-52115/1-A	Method Blank	168 S1+	201 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52038/5-A
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/23 13:26	04/27/23 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/23 13:26	04/27/23 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/23 13:26	04/27/23 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/23 13:26	04/27/23 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/23 13:26	04/27/23 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/23 13:26	04/27/23 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*04/26/23 13:26*	*04/27/23 11:37*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*04/26/23 13:26*	*04/27/23 11:37*	*1*

Lab Sample ID: MB 880-52088/5-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/23 10:00	04/28/23 23:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/27/23 10:00*	*04/28/23 23:26*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/27/23 10:00*	*04/28/23 23:26*	*1*

Lab Sample ID: LCS 880-52088/1-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09590		mg/Kg		96	70 - 130
Toluene	0.100	0.09311		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08775		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1780		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09028		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-52088/2-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1042		mg/Kg		104	70 - 130	8	35

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-52088/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52151 — **Prep Batch: 52088**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1035		mg/Kg		104	70 - 130	11	35
Ethylbenzene			0.100	0.09767		mg/Kg		98	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.2013		mg/Kg		101	70 - 130	12	35
o-Xylene			0.100	0.1020		mg/Kg		102	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-27677-7 MS — **Client Sample ID: S-2 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52151 — **Prep Batch: 52088**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.09025		mg/Kg		90	70 - 130
Toluene	<0.00198	U	0.0998	0.08552		mg/Kg		86	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.07657		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1509		mg/Kg		76	70 - 130
o-Xylene	<0.00198	U	0.0998	0.07759		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 880-27677-7 MSD — **Client Sample ID: S-2 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52151 — **Prep Batch: 52088**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09282		mg/Kg		92	70 - 130	3	35
Toluene	<0.00198	U	0.100	0.08737		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.07865		mg/Kg		78	70 - 130	3	35
m-Xylene & p-Xylene	<0.00396	U	0.201	0.1569		mg/Kg		78	70 - 130	4	35
o-Xylene	<0.00198	U	0.100	0.07970		mg/Kg		79	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: MB 880-52089/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52078 — **Prep Batch: 52089**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/27/23 23:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/27/23 23:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/27/23 23:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/23 10:02	04/27/23 23:13	1

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-52089/5-A
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:02	04/27/23 23:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/23 10:02	04/27/23 23:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*04/27/23 10:02*	*04/27/23 23:13*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/27/23 10:02*	*04/27/23 23:13*	*1*

Lab Sample ID: LCS 880-52089/1-A
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07897		mg/Kg		79	70 - 130
Toluene	0.100	0.07559		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07236		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	0.200	0.1426		mg/Kg		71	70 - 130
o-Xylene	0.100	0.07479		mg/Kg		75	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-52089/2-A
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52089

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07476		mg/Kg		75	70 - 130	5	35
Toluene	0.100	0.07633		mg/Kg		76	70 - 130	1	35
Ethylbenzene	0.100	0.07563		mg/Kg		76	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1517		mg/Kg		76	70 - 130	6	35
o-Xylene	0.100	0.07863		mg/Kg		79	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 880-27677-22 MS
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: S-4 (5.0')
Prep Type: Total/NA
Prep Batch: 52089

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.08328		mg/Kg		83	70 - 130
Toluene	0.00204		0.0998	0.08016		mg/Kg		78	70 - 130
Ethylbenzene	0.00580	F1	0.0998	0.07065	F1	mg/Kg		65	70 - 130
m-Xylene & p-Xylene	0.0233	F1	0.200	0.1541	F1	mg/Kg		66	70 - 130
o-Xylene	0.00947	F1	0.0998	0.07449	F1	mg/Kg		65	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-22 MS
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: S-4 (5.0')
Prep Type: Total/NA
Prep Batch: 52089

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-27677-22 MSD
Matrix: Solid
Analysis Batch: 52078

Client Sample ID: S-4 (5.0')
Prep Type: Total/NA
Prep Batch: 52089

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.07485		mg/Kg		76	70 - 130	11	35
Toluene	0.00204		0.0990	0.07223		mg/Kg		71	70 - 130	10	35
Ethylbenzene	0.00580	F1	0.0990	0.06209	F1	mg/Kg		57	70 - 130	13	35
m-Xylene & p-Xylene	0.0233	F1	0.198	0.1362	F1	mg/Kg		57	70 - 130	12	35
o-Xylene	0.00947	F1	0.0990	0.06530	F1	mg/Kg		56	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-52162/5-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/28/23 08:47	04/28/23 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/28/23 08:47	04/28/23 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/28/23 08:47	04/28/23 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	04/28/23 08:47	04/28/23 11:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/28/23 08:47	04/28/23 11:45	1

Lab Sample ID: LCS 880-52162/1-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09309		mg/Kg		93	70 - 130
Toluene	0.100	0.09264		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08712		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1777		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09022		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-52162/1-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-52162/2-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52162

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09151		mg/Kg		92	70 - 130	2	35
Toluene			0.100	0.09222		mg/Kg		92	70 - 130	0	35
Ethylbenzene			0.100	0.08680		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1784		mg/Kg		89	70 - 130	0	35
o-Xylene			0.100	0.08933		mg/Kg		89	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-52254/5-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:09	05/01/23 11:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:09	05/01/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:09	05/01/23 11:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/01/23 09:09	05/01/23 11:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:09	05/01/23 11:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/01/23 09:09	05/01/23 11:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	05/01/23 09:09	05/01/23 11:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/01/23 09:09	05/01/23 11:06	1

Lab Sample ID: LCS 880-52254/1-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52254

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1073		mg/Kg		107	70 - 130
Toluene			0.100	0.1005		mg/Kg		101	70 - 130
Ethylbenzene			0.100	0.1067		mg/Kg		107	70 - 130
m-Xylene & p-Xylene			0.200	0.2256		mg/Kg		113	70 - 130
o-Xylene			0.100	0.1128		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-52254/2-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52254

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1135		mg/Kg		114	70 - 130	6	35
Toluene			0.100	0.1037		mg/Kg		104	70 - 130	3	35
Ethylbenzene			0.100	0.1111		mg/Kg		111	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2343		mg/Kg		117	70 - 130	4	35
o-Xylene			0.100	0.1171		mg/Kg		117	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-27757-A-1-A MS
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 52254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1123		mg/Kg		112	70 - 130		
Toluene	<0.00200	U	0.100	0.09983		mg/Kg		99	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1059		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.201	0.2149		mg/Kg		107	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-27757-A-1-B MSD
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 52254

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	0.09969		mg/Kg		101	70 - 130	12	35
Toluene	<0.00200	U	0.0990	0.09076		mg/Kg		92	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0990	0.09788		mg/Kg		99	70 - 130	8	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2010		mg/Kg		102	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.09890		mg/Kg		100	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-52264/5-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:43	05/01/23 21:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:43	05/01/23 21:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:43	05/01/23 21:43	1

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-52264/5-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/01/23 09:43	05/01/23 21:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/01/23 09:43	05/01/23 21:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/01/23 09:43	05/01/23 21:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*05/01/23 09:43*	*05/01/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*05/01/23 09:43*	*05/01/23 21:43*	*1*

Lab Sample ID: LCS 880-52264/1-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1156		mg/Kg		116	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2043		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-52264/2-A
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52264

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1169		mg/Kg		117	70 - 130	1	35
Toluene	0.100	0.1109		mg/Kg		111	70 - 130	8	35
Ethylbenzene	0.100	0.1182		mg/Kg		118	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2364		mg/Kg		118	70 - 130	15	35
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-27756-A-1-B MS
Matrix: Solid
Analysis Batch: 52252

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 52264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1129		mg/Kg		113	70 - 130
Toluene	<0.00199	U	0.0998	0.1018		mg/Kg		102	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.1070		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2147		mg/Kg		108	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1058		mg/Kg		106	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-27756-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52252 — **Prep Batch: 52264**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1131		mg/Kg		113	70 - 130	0	35
Toluene	<0.00199	U	0.100	0.09655		mg/Kg		96	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.09978		mg/Kg		100	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2002		mg/Kg		100	70 - 130	7	35
o-Xylene	<0.00199	U	0.100	0.09845		mg/Kg		98	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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

Lab Sample ID: MB 880-52113/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52074 — **Prep Batch: 52113**

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		04/27/23 08:39	04/27/23 10:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 08:39	04/27/23 10:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 08:39	04/27/23 10:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/27/23 08:39	04/27/23 10:13	1
o-Terphenyl	112		70 - 130	04/27/23 08:39	04/27/23 10:13	1

Lab Sample ID: LCS 880-52113/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52074 — **Prep Batch: 52113**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	940.7		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	826.1		mg/Kg		83	70 - 130

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

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-52113/3-A
Matrix: Solid
Analysis Batch: 52074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52113

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	880.2		mg/Kg		88	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	881.7		mg/Kg		88	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-27677-10 MS
Matrix: Solid
Analysis Batch: 52074

Client Sample ID: S-2 (3.0')
Prep Type: Total/NA
Prep Batch: 52113

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	1075		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	72.4		999	958.5		mg/Kg		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Lab Sample ID: 880-27677-10 MSD
Matrix: Solid
Analysis Batch: 52074

Client Sample ID: S-2 (3.0')
Prep Type: Total/NA
Prep Batch: 52113

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1023		mg/Kg		103	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	72.4		997	955.4		mg/Kg		89	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*80*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: MB 880-52115/1-A
Matrix: Solid
Analysis Batch: 52157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52115

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		04/27/23 11:47	04/28/23 09:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 09:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 09:19	1

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-52115/1-A
Matrix: Solid
Analysis Batch: 52157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52115

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	168	S1+	70 - 130	04/27/23 11:47	04/28/23 09:19	1
o-Terphenyl	201	S1+	70 - 130	04/27/23 11:47	04/28/23 09:19	1

Lab Sample ID: LCS 880-52115/2-A
Matrix: Solid
Analysis Batch: 52157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52115

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	909.2		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	942.4		mg/Kg		94	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-52115/3-A
Matrix: Solid
Analysis Batch: 52157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52115

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	944.1		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	958.8		mg/Kg		96	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 880-27677-21 MS
Matrix: Solid
Analysis Batch: 52157

Client Sample ID: S-4 (4.0')
Prep Type: Total/NA
Prep Batch: 52115

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	85.3		999	1166		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	373		999	1377		mg/Kg		100	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	135	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-21 MSD — **Client Sample ID: S-4 (4.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

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	85.3		997	1111		mg/Kg		103	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	373		997	1326		mg/Kg		96	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52130/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/23 04:24	1

Lab Sample ID: LCS 880-52130/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

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 880-52130/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.5		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-27677-21 MS — **Client Sample ID: S-4 (4.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	186	F1	248	393.8	F1	mg/Kg		84	90 - 110

Lab Sample ID: 880-27677-21 MSD — **Client Sample ID: S-4 (4.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	186	F1	248	395.0	F1	mg/Kg		84	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-27677-31 MS — **Client Sample ID: S-6 (2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	584	F1	253	756.0	F1	mg/Kg		68	90 - 110

Lab Sample ID: 880-27677-31 MSD — **Client Sample ID: S-6 (2.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52275

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	584	F1	253	755.8	F1	mg/Kg		68	90 - 110	0	20

Lab Sample ID: MB 880-52131/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/29/23 07:27	1

Lab Sample ID: LCS 880-52131/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-52131/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52276

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-27677-1 MS — **Client Sample ID: S-1 (0-1.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52276

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.8		250	341.0		mg/Kg		104	90 - 110

Lab Sample ID: 880-27677-1 MSD — **Client Sample ID: S-1 (0-1.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52276

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.8		250	341.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-27677-11 MS — **Client Sample ID: S-3 (0-1.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 52276

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.2		251	332.8		mg/Kg		98	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-27677-11 MSD
Matrix: Solid
Analysis Batch: 52276

Client Sample ID: S-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	86.2		251	333.0		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 52038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52038/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 52078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-21	S-4 (4.0')	Total/NA	Solid	8021B	52089
880-27677-22	S-4 (5.0')	Total/NA	Solid	8021B	52089
880-27677-23	S-5 (0-1.0')	Total/NA	Solid	8021B	52089
880-27677-24	S-5 (1.5')	Total/NA	Solid	8021B	52089
880-27677-25	S-5 (2.0')	Total/NA	Solid	8021B	52089
880-27677-26	S-5 (3.0')	Total/NA	Solid	8021B	52089
880-27677-27	S-5 (4.0')	Total/NA	Solid	8021B	52089
880-27677-28	S-5 (5.0')	Total/NA	Solid	8021B	52089
880-27677-30	S-6 (1.5')	Total/NA	Solid	8021B	52089
880-27677-35	S-7 (0-1.0')	Total/NA	Solid	8021B	52089
MB 880-52038/5-A	Method Blank	Total/NA	Solid	8021B	52038
MB 880-52089/5-A	Method Blank	Total/NA	Solid	8021B	52089
LCS 880-52089/1-A	Lab Control Sample	Total/NA	Solid	8021B	52089
LCSD 880-52089/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52089
880-27677-22 MS	S-4 (5.0')	Total/NA	Solid	8021B	52089
880-27677-22 MSD	S-4 (5.0')	Total/NA	Solid	8021B	52089

Prep Batch: 52088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-2	S-1 (1.5')	Total/NA	Solid	5035	
880-27677-5	S-1 (4.0')	Total/NA	Solid	5035	
880-27677-6	S-1 (5.0')	Total/NA	Solid	5035	
880-27677-7	S-2 (0-1.0')	Total/NA	Solid	5035	
880-27677-8	S-2 (1.5')	Total/NA	Solid	5035	
880-27677-9	S-2 (2.0')	Total/NA	Solid	5035	
880-27677-10	S-2 (3.0')	Total/NA	Solid	5035	
880-27677-13	S-3 (2.0')	Total/NA	Solid	5035	
880-27677-16	S-3 (5.0')	Total/NA	Solid	5035	
880-27677-20	S-4 (3.0')	Total/NA	Solid	5035	
MB 880-52088/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52088/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52088/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27677-7 MS	S-2 (0-1.0')	Total/NA	Solid	5035	
880-27677-7 MSD	S-2 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 52089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-21	S-4 (4.0')	Total/NA	Solid	5035	
880-27677-22	S-4 (5.0')	Total/NA	Solid	5035	
880-27677-23	S-5 (0-1.0')	Total/NA	Solid	5035	
880-27677-24	S-5 (1.5')	Total/NA	Solid	5035	
880-27677-25	S-5 (2.0')	Total/NA	Solid	5035	
880-27677-26	S-5 (3.0')	Total/NA	Solid	5035	
880-27677-27	S-5 (4.0')	Total/NA	Solid	5035	
880-27677-28	S-5 (5.0')	Total/NA	Solid	5035	
880-27677-30	S-6 (1.5')	Total/NA	Solid	5035	
880-27677-35	S-7 (0-1.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 52089 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52089/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52089/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52089/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27677-22 MS	S-4 (5.0')	Total/NA	Solid	5035	
880-27677-22 MSD	S-4 (5.0')	Total/NA	Solid	5035	

Analysis Batch: 52151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-2	S-1 (1.5')	Total/NA	Solid	8021B	52088
880-27677-5	S-1 (4.0')	Total/NA	Solid	8021B	52088
880-27677-6	S-1 (5.0')	Total/NA	Solid	8021B	52088
880-27677-7	S-2 (0-1.0')	Total/NA	Solid	8021B	52088
880-27677-8	S-2 (1.5')	Total/NA	Solid	8021B	52088
880-27677-9	S-2 (2.0')	Total/NA	Solid	8021B	52088
880-27677-10	S-2 (3.0')	Total/NA	Solid	8021B	52088
880-27677-13	S-3 (2.0')	Total/NA	Solid	8021B	52088
880-27677-16	S-3 (5.0')	Total/NA	Solid	8021B	52088
880-27677-20	S-4 (3.0')	Total/NA	Solid	8021B	52088
880-27677-29	S-6 (0-1.0')	Total/NA	Solid	8021B	52162
880-27677-36	S-7 (1.5')	Total/NA	Solid	8021B	52162
880-27677-37	S-7 (2.0')	Total/NA	Solid	8021B	52162
880-27677-38	S-7 (3.0')	Total/NA	Solid	8021B	52162
MB 880-52088/5-A	Method Blank	Total/NA	Solid	8021B	52088
MB 880-52162/5-A	Method Blank	Total/NA	Solid	8021B	52162
LCS 880-52088/1-A	Lab Control Sample	Total/NA	Solid	8021B	52088
LCS 880-52162/1-A	Lab Control Sample	Total/NA	Solid	8021B	52162
LCSD 880-52088/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52088
LCSD 880-52162/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52162
880-27677-7 MS	S-2 (0-1.0')	Total/NA	Solid	8021B	52088
880-27677-7 MSD	S-2 (0-1.0')	Total/NA	Solid	8021B	52088

Prep Batch: 52162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-29	S-6 (0-1.0')	Total/NA	Solid	5035	
880-27677-36	S-7 (1.5')	Total/NA	Solid	5035	
880-27677-37	S-7 (2.0')	Total/NA	Solid	5035	
880-27677-38	S-7 (3.0')	Total/NA	Solid	5035	
MB 880-52162/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52162/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52162/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 52183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-27677-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-27677-5	S-1 (4.0')	Total/NA	Solid	Total BTEX	
880-27677-6	S-1 (5.0')	Total/NA	Solid	Total BTEX	
880-27677-7	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 52183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-9	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-10	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-27677-11	S-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-12	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-27677-13	S-3 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-14	S-3 (3.0')	Total/NA	Solid	Total BTEX	
880-27677-15	S-3 (4.0')	Total/NA	Solid	Total BTEX	
880-27677-16	S-3 (5.0')	Total/NA	Solid	Total BTEX	
880-27677-17	S-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-18	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-27677-19	S-4 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-20	S-4 (3.0')	Total/NA	Solid	Total BTEX	
880-27677-21	S-4 (4.0')	Total/NA	Solid	Total BTEX	
880-27677-22	S-4 (5.0')	Total/NA	Solid	Total BTEX	
880-27677-23	S-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-24	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-27677-25	S-5 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-26	S-5 (3.0')	Total/NA	Solid	Total BTEX	
880-27677-27	S-5 (4.0')	Total/NA	Solid	Total BTEX	
880-27677-28	S-5 (5.0')	Total/NA	Solid	Total BTEX	
880-27677-29	S-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-30	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-27677-31	S-6 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-32	S-6 (3.0')	Total/NA	Solid	Total BTEX	
880-27677-33	S-6 (4.0')	Total/NA	Solid	Total BTEX	
880-27677-34	S-6 (5.0')	Total/NA	Solid	Total BTEX	
880-27677-35	S-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-27677-36	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-27677-37	S-7 (2.0')	Total/NA	Solid	Total BTEX	
880-27677-38	S-7 (3.0')	Total/NA	Solid	Total BTEX	

Analysis Batch: 52252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Total/NA	Solid	8021B	52264
880-27677-2	S-1 (1.5')	Total/NA	Solid	8021B	52264
880-27677-3	S-1 (2.0')	Total/NA	Solid	8021B	52264
880-27677-4	S-1 (3.0')	Total/NA	Solid	8021B	52264
880-27677-5	S-1 (4.0')	Total/NA	Solid	8021B	52264
880-27677-6	S-1 (5.0')	Total/NA	Solid	8021B	52264
880-27677-11	S-3 (0-1.0')	Total/NA	Solid	8021B	52264
880-27677-12	S-3 (1.5')	Total/NA	Solid	8021B	52254
880-27677-14	S-3 (3.0')	Total/NA	Solid	8021B	52254
880-27677-15	S-3 (4.0')	Total/NA	Solid	8021B	52254
880-27677-16	S-3 (5.0')	Total/NA	Solid	8021B	52264
880-27677-17	S-4 (0-1.0')	Total/NA	Solid	8021B	52254
880-27677-18	S-4 (1.5')	Total/NA	Solid	8021B	52254
880-27677-19	S-4 (2.0')	Total/NA	Solid	8021B	52254
880-27677-20	S-4 (3.0')	Total/NA	Solid	8021B	52264
880-27677-31	S-6 (2.0')	Total/NA	Solid	8021B	52254
880-27677-32	S-6 (3.0')	Total/NA	Solid	8021B	52254
880-27677-33	S-6 (4.0')	Total/NA	Solid	8021B	52254

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 52252 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-34	S-6 (5.0')	Total/NA	Solid	8021B	52254
MB 880-52254/5-A	Method Blank	Total/NA	Solid	8021B	52254
MB 880-52264/5-A	Method Blank	Total/NA	Solid	8021B	52264
LCS 880-52254/1-A	Lab Control Sample	Total/NA	Solid	8021B	52254
LCS 880-52264/1-A	Lab Control Sample	Total/NA	Solid	8021B	52264
LCSD 880-52254/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52254
LCSD 880-52264/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52264
880-27756-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	52264
880-27756-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	52264
880-27757-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	52254
880-27757-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	52254

Prep Batch: 52254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-12	S-3 (1.5')	Total/NA	Solid	5035	
880-27677-14	S-3 (3.0')	Total/NA	Solid	5035	
880-27677-15	S-3 (4.0')	Total/NA	Solid	5035	
880-27677-17	S-4 (0-1.0')	Total/NA	Solid	5035	
880-27677-18	S-4 (1.5')	Total/NA	Solid	5035	
880-27677-19	S-4 (2.0')	Total/NA	Solid	5035	
880-27677-31	S-6 (2.0')	Total/NA	Solid	5035	
880-27677-32	S-6 (3.0')	Total/NA	Solid	5035	
880-27677-33	S-6 (4.0')	Total/NA	Solid	5035	
880-27677-34	S-6 (5.0')	Total/NA	Solid	5035	
MB 880-52254/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52254/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52254/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27757-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-27757-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 52264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-27677-2	S-1 (1.5')	Total/NA	Solid	5035	
880-27677-3	S-1 (2.0')	Total/NA	Solid	5035	
880-27677-4	S-1 (3.0')	Total/NA	Solid	5035	
880-27677-5	S-1 (4.0')	Total/NA	Solid	5035	
880-27677-6	S-1 (5.0')	Total/NA	Solid	5035	
880-27677-11	S-3 (0-1.0')	Total/NA	Solid	5035	
880-27677-16	S-3 (5.0')	Total/NA	Solid	5035	
880-27677-20	S-4 (3.0')	Total/NA	Solid	5035	
MB 880-52264/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52264/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52264/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27756-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-27756-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 52074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	52113
880-27677-2	S-1 (1.5')	Total/NA	Solid	8015B NM	52113
880-27677-3	S-1 (2.0')	Total/NA	Solid	8015B NM	52113
880-27677-4	S-1 (3.0')	Total/NA	Solid	8015B NM	52113
880-27677-5	S-1 (4.0')	Total/NA	Solid	8015B NM	52113
880-27677-6	S-1 (5.0')	Total/NA	Solid	8015B NM	52113
880-27677-7	S-2 (0-1.0')	Total/NA	Solid	8015B NM	52113
880-27677-8	S-2 (1.5')	Total/NA	Solid	8015B NM	52113
880-27677-9	S-2 (2.0')	Total/NA	Solid	8015B NM	52113
880-27677-10	S-2 (3.0')	Total/NA	Solid	8015B NM	52113
880-27677-11	S-3 (0-1.0')	Total/NA	Solid	8015B NM	52113
880-27677-12	S-3 (1.5')	Total/NA	Solid	8015B NM	52113
880-27677-13	S-3 (2.0')	Total/NA	Solid	8015B NM	52113
880-27677-14	S-3 (3.0')	Total/NA	Solid	8015B NM	52113
880-27677-15	S-3 (4.0')	Total/NA	Solid	8015B NM	52113
880-27677-16	S-3 (5.0')	Total/NA	Solid	8015B NM	52113
880-27677-17	S-4 (0-1.0')	Total/NA	Solid	8015B NM	52113
880-27677-18	S-4 (1.5')	Total/NA	Solid	8015B NM	52113
880-27677-19	S-4 (2.0')	Total/NA	Solid	8015B NM	52113
880-27677-20	S-4 (3.0')	Total/NA	Solid	8015B NM	52113
MB 880-52113/1-A	Method Blank	Total/NA	Solid	8015B NM	52113
LCS 880-52113/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52113
LCSD 880-52113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52113
880-27677-10 MS	S-2 (3.0')	Total/NA	Solid	8015B NM	52113
880-27677-10 MSD	S-2 (3.0')	Total/NA	Solid	8015B NM	52113

Prep Batch: 52113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-27677-5	S-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-27677-6	S-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-27677-7	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-9	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-10	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-27677-11	S-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-12	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-13	S-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-14	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-27677-15	S-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-27677-16	S-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-27677-17	S-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-18	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-19	S-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-20	S-4 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-52113/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52113/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 52113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-10 MS	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-27677-10 MSD	S-2 (3.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 52115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-21	S-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-27677-22	S-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-27677-23	S-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-24	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-25	S-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-26	S-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-27677-27	S-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-27677-28	S-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-27677-29	S-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-30	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-31	S-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-32	S-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-27677-33	S-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-27677-34	S-6 (5.0')	Total/NA	Solid	8015NM Prep	
880-27677-35	S-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-27677-36	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-27677-37	S-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-27677-38	S-7 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-52115/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52115/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27677-21 MS	S-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-27677-21 MSD	S-4 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-21	S-4 (4.0')	Total/NA	Solid	8015B NM	52115
880-27677-22	S-4 (5.0')	Total/NA	Solid	8015B NM	52115
880-27677-23	S-5 (0-1.0')	Total/NA	Solid	8015B NM	52115
880-27677-24	S-5 (1.5')	Total/NA	Solid	8015B NM	52115
880-27677-25	S-5 (2.0')	Total/NA	Solid	8015B NM	52115
880-27677-26	S-5 (3.0')	Total/NA	Solid	8015B NM	52115
880-27677-27	S-5 (4.0')	Total/NA	Solid	8015B NM	52115
880-27677-28	S-5 (5.0')	Total/NA	Solid	8015B NM	52115
880-27677-29	S-6 (0-1.0')	Total/NA	Solid	8015B NM	52115
880-27677-30	S-6 (1.5')	Total/NA	Solid	8015B NM	52115
880-27677-31	S-6 (2.0')	Total/NA	Solid	8015B NM	52115
880-27677-32	S-6 (3.0')	Total/NA	Solid	8015B NM	52115
880-27677-33	S-6 (4.0')	Total/NA	Solid	8015B NM	52115
880-27677-34	S-6 (5.0')	Total/NA	Solid	8015B NM	52115
880-27677-35	S-7 (0-1.0')	Total/NA	Solid	8015B NM	52115
880-27677-36	S-7 (1.5')	Total/NA	Solid	8015B NM	52115
880-27677-37	S-7 (2.0')	Total/NA	Solid	8015B NM	52115
880-27677-38	S-7 (3.0')	Total/NA	Solid	8015B NM	52115
MB 880-52115/1-A	Method Blank	Total/NA	Solid	8015B NM	52115
LCS 880-52115/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52115

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 52157 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-52115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52115
880-27677-21 MS	S-4 (4.0')	Total/NA	Solid	8015B NM	52115
880-27677-21 MSD	S-4 (4.0')	Total/NA	Solid	8015B NM	52115

Analysis Batch: 52173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-27677-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-27677-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-27677-5	S-1 (4.0')	Total/NA	Solid	8015 NM	
880-27677-6	S-1 (5.0')	Total/NA	Solid	8015 NM	
880-27677-7	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-27677-9	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-27677-10	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-27677-11	S-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-12	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-27677-13	S-3 (2.0')	Total/NA	Solid	8015 NM	
880-27677-14	S-3 (3.0')	Total/NA	Solid	8015 NM	
880-27677-15	S-3 (4.0')	Total/NA	Solid	8015 NM	
880-27677-16	S-3 (5.0')	Total/NA	Solid	8015 NM	
880-27677-17	S-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-18	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-27677-19	S-4 (2.0')	Total/NA	Solid	8015 NM	
880-27677-20	S-4 (3.0')	Total/NA	Solid	8015 NM	
880-27677-21	S-4 (4.0')	Total/NA	Solid	8015 NM	
880-27677-22	S-4 (5.0')	Total/NA	Solid	8015 NM	
880-27677-23	S-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-24	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-27677-25	S-5 (2.0')	Total/NA	Solid	8015 NM	
880-27677-26	S-5 (3.0')	Total/NA	Solid	8015 NM	
880-27677-27	S-5 (4.0')	Total/NA	Solid	8015 NM	
880-27677-28	S-5 (5.0')	Total/NA	Solid	8015 NM	
880-27677-29	S-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-30	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-27677-31	S-6 (2.0')	Total/NA	Solid	8015 NM	
880-27677-32	S-6 (3.0')	Total/NA	Solid	8015 NM	
880-27677-33	S-6 (4.0')	Total/NA	Solid	8015 NM	
880-27677-34	S-6 (5.0')	Total/NA	Solid	8015 NM	
880-27677-35	S-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-27677-36	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-27677-37	S-7 (2.0')	Total/NA	Solid	8015 NM	
880-27677-38	S-7 (3.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 52130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-21	S-4 (4.0')	Soluble	Solid	DI Leach	
880-27677-22	S-4 (5.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 52130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-23	S-5 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-24	S-5 (1.5')	Soluble	Solid	DI Leach	
880-27677-25	S-5 (2.0')	Soluble	Solid	DI Leach	
880-27677-26	S-5 (3.0')	Soluble	Solid	DI Leach	
880-27677-27	S-5 (4.0')	Soluble	Solid	DI Leach	
880-27677-28	S-5 (5.0')	Soluble	Solid	DI Leach	
880-27677-29	S-6 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-30	S-6 (1.5')	Soluble	Solid	DI Leach	
880-27677-31	S-6 (2.0')	Soluble	Solid	DI Leach	
880-27677-32	S-6 (3.0')	Soluble	Solid	DI Leach	
880-27677-33	S-6 (4.0')	Soluble	Solid	DI Leach	
880-27677-34	S-6 (5.0')	Soluble	Solid	DI Leach	
880-27677-35	S-7 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-36	S-7 (1.5')	Soluble	Solid	DI Leach	
880-27677-37	S-7 (2.0')	Soluble	Solid	DI Leach	
880-27677-38	S-7 (3.0')	Soluble	Solid	DI Leach	
MB 880-52130/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52130/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52130/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27677-21 MS	S-4 (4.0')	Soluble	Solid	DI Leach	
880-27677-21 MSD	S-4 (4.0')	Soluble	Solid	DI Leach	
880-27677-31 MS	S-6 (2.0')	Soluble	Solid	DI Leach	
880-27677-31 MSD	S-6 (2.0')	Soluble	Solid	DI Leach	

Leach Batch: 52131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-27677-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-27677-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-27677-5	S-1 (4.0')	Soluble	Solid	DI Leach	
880-27677-6	S-1 (5.0')	Soluble	Solid	DI Leach	
880-27677-7	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-27677-9	S-2 (2.0')	Soluble	Solid	DI Leach	
880-27677-10	S-2 (3.0')	Soluble	Solid	DI Leach	
880-27677-11	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-12	S-3 (1.5')	Soluble	Solid	DI Leach	
880-27677-13	S-3 (2.0')	Soluble	Solid	DI Leach	
880-27677-14	S-3 (3.0')	Soluble	Solid	DI Leach	
880-27677-15	S-3 (4.0')	Soluble	Solid	DI Leach	
880-27677-16	S-3 (5.0')	Soluble	Solid	DI Leach	
880-27677-17	S-4 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-18	S-4 (1.5')	Soluble	Solid	DI Leach	
880-27677-19	S-4 (2.0')	Soluble	Solid	DI Leach	
880-27677-20	S-4 (3.0')	Soluble	Solid	DI Leach	
MB 880-52131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27677-1 MS	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-1 MSD	S-1 (0-1.0')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 52131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-11 MS	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-27677-11 MSD	S-3 (0-1.0')	Soluble	Solid	DI Leach	

Analysis Batch: 52275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-21	S-4 (4.0')	Soluble	Solid	300.0	52130
880-27677-22	S-4 (5.0')	Soluble	Solid	300.0	52130
880-27677-23	S-5 (0-1.0')	Soluble	Solid	300.0	52130
880-27677-24	S-5 (1.5')	Soluble	Solid	300.0	52130
880-27677-25	S-5 (2.0')	Soluble	Solid	300.0	52130
880-27677-26	S-5 (3.0')	Soluble	Solid	300.0	52130
880-27677-27	S-5 (4.0')	Soluble	Solid	300.0	52130
880-27677-28	S-5 (5.0')	Soluble	Solid	300.0	52130
880-27677-29	S-6 (0-1.0')	Soluble	Solid	300.0	52130
880-27677-30	S-6 (1.5')	Soluble	Solid	300.0	52130
880-27677-31	S-6 (2.0')	Soluble	Solid	300.0	52130
880-27677-32	S-6 (3.0')	Soluble	Solid	300.0	52130
880-27677-33	S-6 (4.0')	Soluble	Solid	300.0	52130
880-27677-34	S-6 (5.0')	Soluble	Solid	300.0	52130
880-27677-35	S-7 (0-1.0')	Soluble	Solid	300.0	52130
880-27677-36	S-7 (1.5')	Soluble	Solid	300.0	52130
880-27677-37	S-7 (2.0')	Soluble	Solid	300.0	52130
880-27677-38	S-7 (3.0')	Soluble	Solid	300.0	52130
MB 880-52130/1-A	Method Blank	Soluble	Solid	300.0	52130
LCS 880-52130/2-A	Lab Control Sample	Soluble	Solid	300.0	52130
LCSD 880-52130/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52130
880-27677-21 MS	S-4 (4.0')	Soluble	Solid	300.0	52130
880-27677-21 MSD	S-4 (4.0')	Soluble	Solid	300.0	52130
880-27677-31 MS	S-6 (2.0')	Soluble	Solid	300.0	52130
880-27677-31 MSD	S-6 (2.0')	Soluble	Solid	300.0	52130

Analysis Batch: 52276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-1	S-1 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-2	S-1 (1.5')	Soluble	Solid	300.0	52131
880-27677-3	S-1 (2.0')	Soluble	Solid	300.0	52131
880-27677-4	S-1 (3.0')	Soluble	Solid	300.0	52131
880-27677-5	S-1 (4.0')	Soluble	Solid	300.0	52131
880-27677-6	S-1 (5.0')	Soluble	Solid	300.0	52131
880-27677-7	S-2 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-8	S-2 (1.5')	Soluble	Solid	300.0	52131
880-27677-9	S-2 (2.0')	Soluble	Solid	300.0	52131
880-27677-10	S-2 (3.0')	Soluble	Solid	300.0	52131
880-27677-11	S-3 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-12	S-3 (1.5')	Soluble	Solid	300.0	52131
880-27677-13	S-3 (2.0')	Soluble	Solid	300.0	52131
880-27677-14	S-3 (3.0')	Soluble	Solid	300.0	52131
880-27677-15	S-3 (4.0')	Soluble	Solid	300.0	52131
880-27677-16	S-3 (5.0')	Soluble	Solid	300.0	52131
880-27677-17	S-4 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-18	S-4 (1.5')	Soluble	Solid	300.0	52131

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 52276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27677-19	S-4 (2.0')	Soluble	Solid	300.0	52131
880-27677-20	S-4 (3.0')	Soluble	Solid	300.0	52131
MB 880-52131/1-A	Method Blank	Soluble	Solid	300.0	52131
LCS 880-52131/2-A	Lab Control Sample	Soluble	Solid	300.0	52131
LCSD 880-52131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52131
880-27677-1 MS	S-1 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-1 MSD	S-1 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-11 MS	S-3 (0-1.0')	Soluble	Solid	300.0	52131
880-27677-11 MSD	S-3 (0-1.0')	Soluble	Solid	300.0	52131

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-1
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/02/23 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	52074	04/27/23 19:12	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 07:43	SMC	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-27677-2
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52151	04/29/23 02:17	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	52252	05/02/23 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 18:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 07:59	SMC	EET MID

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-27677-3
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	52252	05/02/23 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:04	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-27677-4
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	52252	05/02/23 03:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:09	SMC	EET MID

Client Sample ID: S-1 (4.0')

Lab Sample ID: 880-27677-5
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	52151	04/29/23 01:16	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		5	5 mL	5 mL	52252	05/02/23 03:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 15:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:15	SMC	EET MID

Client Sample ID: S-1 (5.0')

Lab Sample ID: 880-27677-6
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	52151	04/29/23 01:36	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		5	5 mL	5 mL	52252	05/02/23 04:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 16:01	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:31	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-7
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/28/23 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 16:23	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:36	SMC	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-27677-8
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 16:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:42	SMC	EET MID

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-27677-9
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 00:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 17:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:47	SMC	EET MID

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-27677-10
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-27677-10
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 13:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:53	SMC	EET MID

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

Lab Sample ID: 880-27677-11
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/02/23 05:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52074	04/27/23 19:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 08:58	SMC	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-27677-12
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 17:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:14	SMC	EET MID

Client Sample ID: S-3 (2.0')

Lab Sample ID: 880-27677-13
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52151	04/29/23 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 17:46	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (2.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:19	SMC	EET MID

Client Sample ID: S-3 (3.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 20:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:35	SMC	EET MID

Client Sample ID: S-3 (4.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-15
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			5.02 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 21:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:41	SMC	EET MID

Client Sample ID: S-3 (5.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52151	04/29/23 06:31	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	52252	05/02/23 04:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 18:29	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (5.0')

Lab Sample ID: 880-27677-16
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:46	SMC	EET MID

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

Lab Sample ID: 880-27677-17
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52074	04/27/23 19:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:51	SMC	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-27677-18
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 16:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 17:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52074	04/27/23 20:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 09:57	SMC	EET MID

Client Sample ID: S-4 (2.0')

Lab Sample ID: 880-27677-19
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 20:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 10:02	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (3.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52088	04/27/23 10:00	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52151	04/29/23 07:53	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	52264	05/01/23 09:43	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	52252	05/02/23 04:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	04/28/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52113	04/27/23 11:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52074	04/27/23 21:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52131	04/27/23 15:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52276	04/29/23 10:08	SMC	EET MID

Client Sample ID: S-4 (4.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52078	04/28/23 00:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 11:51	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 04:40	SMC	EET MID

Client Sample ID: S-4 (5.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52078	04/27/23 23:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 04:56	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-23
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52078	04/28/23 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 05:01	SMC	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-27677-24
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52078	04/28/23 01:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 13:39	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	52275	04/29/23 05:07	SMC	EET MID

Client Sample ID: S-5 (2.0')

Lab Sample ID: 880-27677-25
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52078	04/28/23 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 14:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	52275	04/29/23 05:12	SMC	EET MID

Client Sample ID: S-5 (3.0')

Lab Sample ID: 880-27677-26
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52078	04/28/23 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (3.0')

Lab Sample ID: 880-27677-26
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 14:22	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	52275	04/29/23 05:28	SMC	EET MID

Client Sample ID: S-5 (4.0')

Lab Sample ID: 880-27677-27
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52078	04/28/23 00:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52275	04/29/23 05:34	SMC	EET MID

Client Sample ID: S-5 (5.0')

Lab Sample ID: 880-27677-28
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52078	04/28/23 00:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 15:05	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52275	04/29/23 05:39	SMC	EET MID

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

Lab Sample ID: 880-27677-29
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	52162	04/28/23 08:47	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52151	04/28/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52157	04/28/23 15:26	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-29
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 05:44	SMC	EET MID

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-27677-30
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	52078	04/28/23 02:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 15:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 05:50	SMC	EET MID

Client Sample ID: S-6 (2.0')

Lab Sample ID: 880-27677-31
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 05:55	SMC	EET MID

Client Sample ID: S-6 (3.0')

Lab Sample ID: 880-27677-32
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52157	04/28/23 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52275	04/29/23 06:11	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (4.0')

Lab Sample ID: 880-27677-33
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52157	04/28/23 17:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52275	04/29/23 06:17	SMC	EET MID

Client Sample ID: S-6 (5.0')

Lab Sample ID: 880-27677-34
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52254	05/01/23 09:09	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	52252	05/01/23 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/02/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	52157	04/28/23 17:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 06:33	SMC	EET MID

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

Lab Sample ID: 880-27677-35
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52089	04/27/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52078	04/28/23 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	04/28/23 09:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 06:38	SMC	EET MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-27677-36
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52162	04/28/23 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/28/23 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (1.5')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 18:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 06:43	SMC	EET MID

Client Sample ID: S-7 (2.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52162	04/28/23 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/28/23 17:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 18:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 06:49	SMC	EET MID

Client Sample ID: S-7 (3.0')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27677-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52162	04/28/23 08:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/28/23 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52183	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52173	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 19:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52130	04/27/23 15:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52275	04/29/23 06:54	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy 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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy 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: Honey Graham 29 St Battery

Job ID: 880-27677-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27677-1	S-1 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-2	S-1 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-3	S-1 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-4	S-1 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-5	S-1 (4.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-6	S-1 (5.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-7	S-2 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-8	S-2 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-9	S-2 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-10	S-2 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-11	S-3 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-12	S-3 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-13	S-3 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-14	S-3 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-15	S-3 (4.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-16	S-3 (5.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-17	S-4 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-18	S-4 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-19	S-4 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-20	S-4 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-21	S-4 (4.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-22	S-4 (5.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-23	S-5 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-24	S-5 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-25	S-5 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-26	S-5 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-27	S-5 (4.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-28	S-5 (5.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-29	S-6 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-30	S-6 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-31	S-6 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-32	S-6 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-33	S-6 (4.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-34	S-6 (5.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-35	S-7 (0-1.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-36	S-7 (1.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-37	S-7 (2.0')	Solid	04/24/23 00:00	04/27/23 09:40
880-27677-38	S-7 (3.0')	Solid	04/24/23 00:00	04/27/23 09:40

Chain of Custody

Work Order No: 27677

Project Manager	Conner Moehring	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	432-813-6823	Email.	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Honey Graham 29 St battery	Turn Around	
Project Number	2014	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name:	GPJ / KB		
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	-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	0.5
Total Containers:		Corrected Temperature	0.2

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-1 (0-1 0')	4/24/2023		X		G	1	X	X	X
S-1 (1 5')	4/24/2023		X		G	1	X	X	X
S-1 (2 0')	4/24/2023		X		G	1	X	X	X
S-1 (3 0')	4/24/2023		X		G	1	X	X	X
S-1 (4 0')	4/24/2023		X		G	1	X	X	X
S-1 (5 0')	4/24/2023		X		G	1	X	X	X
S-2 (0-1 0')	4/24/2023		X		G	1	X	X	X
S-2 (1 5')	4/24/2023		X		G	1	X	X	X
S-2 (2 0')	4/24/2023		X		G	1	X	X	X
S-2 (3.0')	4/24/2023		X		G	1	X	X	X

ANALYSIS REQUEST — Parameters

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

402

880-27677 Chain of Custody

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	4-29-23 9:40		

5/2/2023

Chain of Custody

Work Order No: 27077

Page 2 of 4

Project Manager	Conner Moehring	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	432-813-6823	Email	mcarmona@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	Honey Graham 29 St battery	Turn Around	☐ Routine ☑ Rush
Project Number	2014	Due Date	72 Hrs
Project Location	Eddy County, New Mexico		
Sampler's Name	GPJ / KB		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No		
Received Intact:	(Yes) No	Thermometer ID	I-2a		
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-0.3		
Sample Custody Seals	Yes No (N/A)	Temperature Reading	0.5		
Total Containers:		Corrected Temperature	0.2		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-3 (0-1 0')	4/24/2023		X		G	1	X	X	X	
S-3 (1 5')	4/24/2023		X		G	1	X	X	X	
S-3 (2 0')	4/24/2023		X		G	1	X	X	X	
S-3 (3.0')	4/24/2023		X		G	1	X	X	X	
S-3 (4 0')	4/24/2023		X		G	1	X	X	X	
S-3 (5 0')	4/24/2023		X		G	1	X	X	X	
S-4 (0-1 0')	4/24/2023		X		G	1	X	X	X	
S-4 (1 5')	4/24/2023		X		G	1	X	X	X	
S-4 (2 0')	4/24/2023		X		G	1	X	X	X	
S-4 (3 0')	4/24/2023		X		G	1	X	X	X	

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: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4-27-23 0940	[signature]	

Chain of Custody

Work Order No: 27077

Project Manager	Conner Moehring	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:	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

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

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Honey Graham 29 St battery	Turn Around	
Project Number	2014	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name.	GPJ / KB		
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	-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	0.5
Total Containers.		Corrected Temperature	0.2

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-4 (4 0')	4/24/2023		X		G	1	X	X	X
S-4 (5.0')	4/24/2023		X		G	1	X	X	X
S-5 (0-1 0')	4/24/2023		X		G	1	X	X	X
S-5 (1 5')	4/24/2023		X		G	1	X	X	X
S-5 (2.0')	4/24/2023		X		G	1	X	X	X
S-5 (3.0')	4/24/2023		X		G	1	X	X	X
S-5 (4 0')	4/24/2023		X		G	1	X	X	X
S-5 (5.0')	4/24/2023		X		G	1	X	X	X
S-6 (0-1.0')	4/24/2023		X		G	1	X	X	X
S-6 (1 5')	4/24/2023		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: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	4-27-23 0940		

Work Order No: 27077

Page 4 of 4

Project Manager	Conner Moehring	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:	432-813-6823 Email	mcarmona@carmonaresources.com	

Work Order Comments

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

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Honey Graham 29 St battery	Turn Around	
Project Number	2014	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ / KB		
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	-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	0.5
Total Containers.		Corrected Temperature:	0.2

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-6 (2 0')	4/24/2023		X		G	1		X	X	X
S-6 (3 0')	4/24/2023		X		G	1		X	X	X
S-6 (4 0')	4/24/2023		X		G	1		X	X	X
S-6 (5 0')	4/24/2023		X		G	1		X	X	X
S-7 (0-1 0')	4/24/2023		X		G	1		X	X	X
S-7 (1 5')	4/24/2023		X		G	1		X	X	X
S-7 (2 0')	4/24/2023		X		G	1		X	X	X
S-7 (3 0')	4/24/2023		X		G	1		X	X	X

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 Comments

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Aaron Haas	4-27-23 0940		

5/2/2023

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-27677-1
SDG Number: Eddy County, New Mexico

Login Number: 27677
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/1/2023 1:48:54 PM

JOB DESCRIPTION

Honey Graham 29 St Battery
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-27678-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

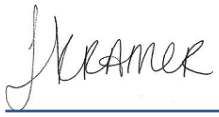
Eurofins Midland

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: Honey Graham 29 St Battery

Laboratory Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

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, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Job ID: 880-27678-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-27678-1

Receipt
The samples were received on 4/27/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

Receipt Exceptions
The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-52151 recovered under the lower control limit for Toluene, Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52090 and analytical batch 880-52151 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.

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-52125/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-3 (0-0.5') (880-27678-3), H-4 (0-0.5') (880-27678-4), H-5 (0-0.5') (880-27678-5), H-6 (0-0.5') (880-27678-6) and H-7 (0-0.5') (880-27678-7). 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: (CCV 880-52069/31). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52125 and analytical batch 880-52069 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 8015MOD_NM: CCV biased low however an acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.(CCV 880-52069/31)

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-52115 and analytical batch 880-52157 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-52115/2-A) and (LCSD 880-52115/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-27677-A-21-D), (880-27677-A-21-E MS) and (880-27677-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-27678-1) and H-2 (0-0.5') (880-27678-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Job ID: 880-27678-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-52157 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-52157/20).

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52129 and analytical batch 880-52263 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: H-3 (0-0.5') (880-27678-3), H-4 (0-0.5') (880-27678-4), H-5 (0-0.5') (880-27678-5), H-6 (0-0.5') (880-27678-6), H-7 (0-0.5') (880-27678-7), (880-27678-A-3-D MS) and (880-27678-A-3-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: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-27678-1
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:31	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:31	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:31	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		04/27/23 10:04	04/29/23 11:31	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:31	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		04/27/23 10:04	04/29/23 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/27/23 10:04*	*04/29/23 11:31*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*04/27/23 10:04*	*04/29/23 11:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.7**		50.0		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 19:23	1
Diesel Range Organics (Over C10-C28)	**63.7**		50.0		mg/Kg		04/27/23 11:47	04/28/23 19:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 19:23*	*1*
o-Terphenyl	*164*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 19:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.0**		5.00		mg/Kg			04/28/23 22:50	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-27678-2
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/23 10:04	04/29/23 11:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 11:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 10:04	04/29/23 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/23 10:04*	*04/29/23 11:52*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/27/23 10:04*	*04/29/23 11:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-27678-2
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/01/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 19:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 19:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 11:47	04/28/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/27/23 11:47*	*04/28/23 19:45*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 19:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		5.00		mg/Kg			04/28/23 22:55	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-27678-3
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 12:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/27/23 10:04	04/29/23 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 12:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/27/23 10:04	04/29/23 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/23 10:04*	*04/29/23 12:12*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*04/27/23 10:04*	*04/29/23 12:12*	*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			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/23 13:41	04/27/23 20:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/27/23 13:41	04/27/23 20:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-27678-3
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/27/23 13:41	04/27/23 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 20:05*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 20:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**361**	**F1**	5.01		mg/Kg			04/28/23 23:00	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-27678-4
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/27/23 10:04	04/29/23 12:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/27/23 10:04	04/29/23 12:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/27/23 10:04	04/29/23 12:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/27/23 10:04	04/29/23 12:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/27/23 10:04	04/29/23 12:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/27/23 10:04	04/29/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/27/23 10:04*	*04/29/23 12:33*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/27/23 10:04*	*04/29/23 12:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 20:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 20:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*53*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 20:26*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 20:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**266**		4.99		mg/Kg			04/28/23 23:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-27678-5
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:04	04/29/23 12:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:04	04/29/23 12:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:04	04/29/23 12:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/27/23 10:04	04/29/23 12:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/27/23 10:04	04/29/23 12:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/27/23 10:04	04/29/23 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/27/23 10:04*	*04/29/23 12:53*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*04/27/23 10:04*	*04/29/23 12:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 20:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 20:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/27/23 13:41	04/27/23 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*50*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 20:48*	*1*
o-Terphenyl	*49*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 20:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**227**		4.95		mg/Kg			04/28/23 23:19	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-27678-6
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 13:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 13:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/23 10:04	04/29/23 13:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 13:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 10:04	04/29/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/27/23 10:04*	*04/29/23 13:14*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*04/27/23 10:04*	*04/29/23 13:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-27678-6
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 09:22	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			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/27/23 13:41	04/27/23 21:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 13:41	04/27/23 21:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 13:41	04/27/23 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*54*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 21:10*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 21:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.9**		4.99		mg/Kg			04/28/23 23:34	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-27678-7
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 16:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 16:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 16:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/27/23 10:04	04/29/23 16:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/27/23 10:04	04/29/23 16:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/27/23 10:04	04/29/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/27/23 10:04*	*04/29/23 16:27*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*04/27/23 10:04*	*04/29/23 16:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/01/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**188**		49.8		mg/Kg			04/28/23 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/27/23 13:41	04/27/23 21:32	1
Diesel Range Organics (Over C10-C28)	**188**		49.8		mg/Kg		04/27/23 13:41	04/27/23 21:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27678-7

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)	<49.8	U	49.8		mg/Kg		04/27/23 13:41	04/27/23 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*48*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 21:32*	*1*
o-Terphenyl	*55*	*S1-*	*70 - 130*	*04/27/23 13:41*	*04/27/23 21:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		5.04		mg/Kg			04/28/23 23:39	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

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)
880-27678-1	H-1 (0-0.5')	97	108
880-27678-1 MS	H-1 (0-0.5')	98	110
880-27678-1 MSD	H-1 (0-0.5')	107	111
880-27678-2	H-2 (0-0.5')	101	106
880-27678-3	H-3 (0-0.5')	101	106
880-27678-4	H-4 (0-0.5')	107	105
880-27678-5	H-5 (0-0.5')	99	110
880-27678-6	H-6 (0-0.5')	101	107
880-27678-7	H-7 (0-0.5')	94	113
LCS 880-52090/1-A	Lab Control Sample	95	112
LCSD 880-52090/2-A	Lab Control Sample Dup	98	108
MB 880-52088/5-A	Method Blank	92	101
MB 880-52090/5-A	Method Blank	87	105

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-27677-A-21-E MS	Matrix Spike	130	135 S1+
880-27677-A-21-F MSD	Matrix Spike Duplicate	125	132 S1+
880-27678-1	H-1 (0-0.5')	144 S1+	164 S1+
880-27678-2	H-2 (0-0.5')	121	143 S1+
880-27678-3	H-3 (0-0.5')	67 S1-	68 S1-
880-27678-4	H-4 (0-0.5')	53 S1-	59 S1-
880-27678-5	H-5 (0-0.5')	50 S1-	49 S1-
880-27678-6	H-6 (0-0.5')	54 S1-	63 S1-
880-27678-7	H-7 (0-0.5')	48 S1-	55 S1-
890-4577-A-13-C MS	Matrix Spike	76	71
890-4577-A-13-D MSD	Matrix Spike Duplicate	77	72
LCS 880-52115/2-A	Lab Control Sample	115	136 S1+
LCS 880-52125/2-A	Lab Control Sample	71	70
LCSD 880-52115/3-A	Lab Control Sample Dup	116	136 S1+
LCSD 880-52125/3-A	Lab Control Sample Dup	69 S1-	67 S1-
MB 880-52115/1-A	Method Blank	168 S1+	201 S1+
MB 880-52125/1-A	Method Blank	119	121

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52088/5-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:00	04/28/23 23:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/23 10:00	04/28/23 23:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*04/27/23 10:00*	*04/28/23 23:26*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*04/27/23 10:00*	*04/28/23 23:26*	*1*

Lab Sample ID: MB 880-52090/5-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 52090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 11:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 11:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 11:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/27/23 10:04	04/29/23 11:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/27/23 10:04	04/29/23 11:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/27/23 10:04	04/29/23 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*04/27/23 10:04*	*04/29/23 11:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*04/27/23 10:04*	*04/29/23 11:03*	*1*

Lab Sample ID: LCS 880-52090/1-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 52090

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09923		mg/Kg		99	70 - 130		
Toluene			0.100	0.09504		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.08400		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1679		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.08643		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-52090/2-A
Matrix: Solid
Analysis Batch: 52151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52090

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08203		mg/Kg		82	70 - 130	19	35

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-52090/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52151 — **Prep Batch: 52090**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08017		mg/Kg		80	70 - 130	17	35
Ethylbenzene			0.100	0.07292		mg/Kg		73	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.1465		mg/Kg		73	70 - 130	14	35
o-Xylene			0.100	0.07599		mg/Kg		76	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-27678-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52151 — **Prep Batch: 52090**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.08993		mg/Kg		90	70 - 130
Toluene	<0.00199	U F1	0.0998	0.06990		mg/Kg		70	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.05786	F1	mg/Kg		58	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1107	F1	mg/Kg		55	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.06211	F1	mg/Kg		62	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-27678-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52151 — **Prep Batch: 52090**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.08639		mg/Kg		87	70 - 130	4	35
Toluene	<0.00199	U F1	0.0990	0.06633	F1	mg/Kg		67	70 - 130	5	35
Ethylbenzene	<0.00199	U F1	0.0990	0.05396	F1	mg/Kg		55	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.1025	F1	mg/Kg		52	70 - 130	8	35
o-Xylene	<0.00199	U F1	0.0990	0.05966	F1	mg/Kg		60	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

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

Lab Sample ID: MB 880-52115/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

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		04/27/23 11:47	04/28/23 09:19	1

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-52115/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

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		04/27/23 11:47	04/28/23 09:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 11:47	04/28/23 09:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 09:19*	*1*
o-Terphenyl	*201*	*S1+*	*70 - 130*	*04/27/23 11:47*	*04/28/23 09:19*	*1*

Lab Sample ID: LCS 880-52115/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	909.2		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	942.4		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-52115/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	944.1		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	958.8		mg/Kg		96	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*136*	*S1+*	*70 - 130*

Lab Sample ID: 880-27677-A-21-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	85.3		999	1166		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	373		999	1377		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*135*	*S1+*	*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-27677-A-21-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52157 — **Prep Batch: 52115**

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	85.3		997	1111		mg/Kg		103	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	373		997	1326		mg/Kg		96	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*125*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-52125/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52069 — **Prep Batch: 52125**

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		04/27/23 08:41	04/27/23 09:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/27/23 08:41	04/27/23 09:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/27/23 08:41	04/27/23 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/27/23 08:41*	*04/27/23 09:42*	*1*
o-Terphenyl	*121*		*70 - 130*	*04/27/23 08:41*	*04/27/23 09:42*	*1*

Lab Sample ID: LCS 880-52125/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52069 — **Prep Batch: 52125**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	802.2		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	742.3		mg/Kg		74	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*70*		*70 - 130*

Lab Sample ID: LCSD 880-52125/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 52069 — **Prep Batch: 52125**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	841.3		mg/Kg		84	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	777.0		mg/Kg		78	70 - 130	5	20

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-52125/3-A
Matrix: Solid
Analysis Batch: 52069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 52125

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: 890-4577-A-13-C MS
Matrix: Solid
Analysis Batch: 52069

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 52125

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	987.8		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	665.2	F1	mg/Kg		64	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 890-4577-A-13-D MSD
Matrix: Solid
Analysis Batch: 52069

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 52125

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	997.0		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	683.7	F1	mg/Kg		66	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	72		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52129/1-A
Matrix: Solid
Analysis Batch: 52263

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/23 21:33	1

Lab Sample ID: LCS 880-52129/2-A
Matrix: Solid
Analysis Batch: 52263

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-52129/3-A
Matrix: Solid
Analysis Batch: 52263

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249.4		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 880-27678-3 MS
Matrix: Solid
Analysis Batch: 52263

Client Sample ID: H-3 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	361	F1	251	581.7	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-27678-3 MSD
Matrix: Solid
Analysis Batch: 52263

Client Sample ID: H-3 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	361	F1	251	583.0	F1	mg/Kg		89	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 52088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52088/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 52090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-27678-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-27678-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-27678-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-27678-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-27678-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-27678-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-52090/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-52090/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52090/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27678-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-27678-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 52151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-2	H-2 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-3	H-3 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-4	H-4 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-5	H-5 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-6	H-6 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-7	H-7 (0-0.5')	Total/NA	Solid	8021B	52090
MB 880-52088/5-A	Method Blank	Total/NA	Solid	8021B	52088
MB 880-52090/5-A	Method Blank	Total/NA	Solid	8021B	52090
LCS 880-52090/1-A	Lab Control Sample	Total/NA	Solid	8021B	52090
LCSD 880-52090/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52090
880-27678-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	52090
880-27678-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	52090

Analysis Batch: 52255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-27678-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-27678-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-27678-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-27678-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-27678-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-27678-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 52069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	52125
880-27678-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	52125
880-27678-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	52125
880-27678-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	52125

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 52069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	52125
MB 880-52125/1-A	Method Blank	Total/NA	Solid	8015B NM	52125
LCS 880-52125/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52125
LCSD 880-52125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52125
890-4577-A-13-C MS	Matrix Spike	Total/NA	Solid	8015B NM	52125
890-4577-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	52125

Prep Batch: 52115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-27678-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-52115/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52115/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27677-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-27677-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 52125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-27678-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-27678-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-27678-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-27678-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-52125/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52125/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4577-A-13-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4577-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	52115
880-27678-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	52115
MB 880-52115/1-A	Method Blank	Total/NA	Solid	8015B NM	52115
LCS 880-52115/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52115
LCSD 880-52115/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52115
880-27677-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	52115
880-27677-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	52115

Analysis Batch: 52179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-27678-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-27678-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-27678-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-27678-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-27678-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-27678-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 52129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-52129/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52129/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52129/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27678-3 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-27678-3 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 52263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27678-1	H-1 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-2	H-2 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-3	H-3 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-4	H-4 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-5	H-5 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-6	H-6 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-7	H-7 (0-0.5')	Soluble	Solid	300.0	52129
MB 880-52129/1-A	Method Blank	Soluble	Solid	300.0	52129
LCS 880-52129/2-A	Lab Control Sample	Soluble	Solid	300.0	52129
LCSD 880-52129/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52129
880-27678-3 MS	H-3 (0-0.5')	Soluble	Solid	300.0	52129
880-27678-3 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	52129

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-27678-1
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 11:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52179	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 19:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 22:50	SMC	EET MID

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-27678-2
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 11:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52179	05/01/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52115	04/27/23 11:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52157	04/28/23 19:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 22:55	SMC	EET MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-27678-3
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52179	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 20:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 23:00	SMC	EET MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-27678-4
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-27678-4
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			52179	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 20:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 23:15	SMC	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-27678-5
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52179	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 20:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 23:19	SMC	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-27678-6
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52179	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 21:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 23:34	SMC	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-27678-7
Matrix: Solid
Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	52090	04/27/23 10:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52151	04/29/23 16:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			52255	05/01/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			52179	04/28/23 09:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52125	04/27/23 13:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52069	04/27/23 21:32	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')

Date Collected: 04/24/23 00:00
Date Received: 04/27/23 09:40

Lab Sample ID: 880-27678-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	52129	04/27/23 15:10	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52263	04/28/23 23:39	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy 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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy 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: Honey Graham 29 St Battery

Job ID: 880-27678-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27678-1	H-1 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27678-2	H-2 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27678-3	H-3 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27678-4	H-4 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27678-5	H-5 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27678-6	H-6 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40
880-27678-7	H-7 (0-0.5')	Solid	04/24/23 00:00	04/27/23 09:40

Chain of Custody

Work Order No: 27678

5/1/2023

Page 1 of 1

Project Manager	Conner Moehring	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	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

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

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Honey Graham 29 St battery	Turn Around	☐ Routine ☑ Rush
Project Number	2014	Due Date	72 Hrs
Project Location	Eddy County, New Mexico		
Sampler's Name	GPJ / KB		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	DE
Cooler Custody Seals.	Yes No N/A	Correction Factor	-0.5
Sample Custody Seals	Yes No N/A	Temperature Reading	0.5
Total Containers.		Corrected Temperature	0.0

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
H-1 (0-0 5')	4/24/2023		X		G	1		X	X	X
H-2 (0-0.5')	4/24/2023		X		G	1		X	X	X
H-3 (0-0 5')	4/24/2023		X		G	1		X	X	X
H-4 (0-0 5')	4/24/2023		X		G	1		X	X	X
H-5 (0-0.5')	4/24/2023		X		G	1		X	X	X
H-6 (0-0 5')	4/24/2023		X		G	1		X	X	X
H-7 (0-0.5')	4/24/2023		X		G	1		X	X	X

ANALYSIS REQUEST

Parameters

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

402

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	4-27-23 0940		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-27678-1
SDG Number: Eddy County, New Mexico

Login Number: 27678
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

August 10, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HONEY GRAHAM 29 STATE 6H TANK BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/19/23 12:00.

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	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:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH - 1 (0-1')	H233746-01	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 1 (2'-3')	H233746-02	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 1 (4'-5')	H233746-03	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 1 (6'-7')	H233746-04	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 1 (9'-10')	H233746-05	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 1 (12'-13')	H233746-06	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 1 (14'-15')	H233746-07	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (0-1')	H233746-08	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (2'-3')	H233746-09	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (4'-5')	H233746-10	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (6'-7')	H233746-11	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (9'-10')	H233746-12	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (12'-13')	H233746-13	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (14'-15')	H233746-14	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (15'-16')	H233746-15	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (16'-17')	H233746-16	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 2 (17'-18')	H233746-17	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (0-1')	H233746-18	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (2'-3')	H233746-19	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (4'-5')	H233746-20	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (6'-7')	H233746-21	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (9'-10')	H233746-22	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (12'-13')	H233746-23	Soil	18-Jul-23 00:00	19-Jul-23 12:00
BH- 3 (14'-15')	H233746-24	Soil	18-Jul-23 00:00	19-Jul-23 12:00

08/10/23 - Client added analysis for sample -16 and -17 (see COC). This is the revised report and will replace the one sent on 07/25/23.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH - 1 (0-1')

H233746-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**2240**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	3072029	MS	22-Jul-23	8021B	
Toluene*	**24.0**		2.00	mg/kg	2000	3072029	MS	22-Jul-23	8021B	
Ethylbenzene*	**20.0**		2.00	mg/kg	2000	3072029	MS	22-Jul-23	8021B	
Total Xylenes*	**102**		6.00	mg/kg	2000	3072029	MS	22-Jul-23	8021B	
Total BTEX	**146**		12.0	mg/kg	2000	3072029	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*128 %*	*71.5-134*		*3072029*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**4250**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**9290**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**1400**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*469 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*173 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 1 (2'-3')

H233746-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<1.00		1.00	mg/kg	1000	3072029	MS	22-Jul-23	8021B	
Toluene*	**13.5**		1.00	mg/kg	1000	3072029	MS	22-Jul-23	8021B	
Ethylbenzene*	**13.2**		1.00	mg/kg	1000	3072029	MS	22-Jul-23	8021B	
Total Xylenes*	**73.4**		3.00	mg/kg	1000	3072029	MS	22-Jul-23	8021B	
Total BTEX	**100**		6.00	mg/kg	1000	3072029	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*151 %*	*71.5-134*		*3072029*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**2530**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**6520**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**963**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*307 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*121 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 1 (4'-5')

H233746-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1040**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072029	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072029	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072029	MS	22-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072029	MS	22-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072029	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3072029*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072017	MS	23-Jul-23	8015B	
DRO >C10-C28*	**34.5**		10.0	mg/kg	1	3072017	MS	23-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072017	MS	23-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*80.2 %*	*48.2-134*		*3072017*	MS	*23-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*86.7 %*	*49.1-148*		*3072017*	MS	*23-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 1 (6'-7')

H233746-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**896**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.235**		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	**3.78**		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	**2.54**		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	QM-07
Total Xylenes*	**13.8**		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	QM-07
Total BTEX	**20.4**		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*268 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**633**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**1540**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**232**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*113 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 1 (9'-10')

H233746-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1650**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*111 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*125 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 1 (12'-13')

H233746-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**20.0**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*84.7 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*94.7 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 1 (14'-15')

H233746-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**27.1**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**15.4**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*85.4 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*95.7 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (0-1')

H233746-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<1.00		1.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Toluene*	**9.30**		1.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Ethylbenzene*	**14.7**		1.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Total Xylenes*	**47.5**		3.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Total BTEX	**71.5**		6.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*158 %*	*71.5-134*		*3072037*	MS	*24-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**2760**		50.0	mg/kg	5	3072017	MS	23-Jul-23	8015B	
DRO >C10-C28*	**8790**		50.0	mg/kg	5	3072017	MS	23-Jul-23	8015B	
EXT DRO >C28-C36	**1440**		50.0	mg/kg	5	3072017	MS	23-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*232 %*	*48.2-134*		*3072017*	MS	*23-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*213 %*	*49.1-148*		*3072017*	MS	*23-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (2'-3')

H233746-09 (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	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.435**		0.200	mg/kg	200	3072037	MS	24-Jul-23	8021B	
Toluene*	**6.89**		0.200	mg/kg	200	3072037	MS	24-Jul-23	8021B	
Ethylbenzene*	**9.74**		0.200	mg/kg	200	3072037	MS	24-Jul-23	8021B	
Total Xylenes*	**35.5**		0.600	mg/kg	200	3072037	MS	24-Jul-23	8021B	
Total BTEX	**52.5**		1.20	mg/kg	200	3072037	MS	24-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*255 %*	*71.5-134*		*3072037*	MS	*24-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**1450**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**3460**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**540**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*153 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*103 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (4'-5')

H233746-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**2.93**		1.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Toluene*	**32.4**		1.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Ethylbenzene*	**18.7**		1.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Total Xylenes*	**104**		3.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Total BTEX	**158**		6.00	mg/kg	1000	3072037	MS	24-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*146 %*	*71.5-134*		*3072037*	MS	*24-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**3100**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**6390**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**924**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*339 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*140 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (6'-7')

H233746-11 (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	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	**0.323**		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	**0.323**		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*122 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**21.6**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**703**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**136**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*112 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*137 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (9'-10')

H233746-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**448**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Toluene*	**0.943**		0.050	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Ethylbenzene*	**1.38**		0.050	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Total Xylenes*	**8.04**		0.150	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Total BTEX	**10.4**		0.300	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*147 %*	*71.5-134*		*3072037*	MS	*24-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**244**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
DRO >C10-C28*	**2380**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**409**		10.0	mg/kg	1	3072017	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*109 %*	*48.2-134*		*3072017*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*3072017*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (12'-13')

H233746-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**192**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Toluene*	**1.41**		0.050	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Ethylbenzene*	**2.59**		0.050	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Total Xylenes*	**12.0**		0.150	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Total BTEX	**16.0**		0.300	mg/kg	50	3072037	MS	24-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*359 %*	*71.5-134*		*3072037*	MS	*24-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**898**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	QM-07, QR-03
DRO >C10-C28*	**8460**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	QM-07
EXT DRO >C28-C36	**1320**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*191 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*207 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (14'-15')

H233746-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**368**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	**0.057**		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	**0.109**		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	**0.617**		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	**0.783**		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*130 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**47.2**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	**925**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**204**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*104 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*141 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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CARDINAL Laboratories

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (15'-16')

H233746-15 (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	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	**113**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**51.2**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*94.6 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*109 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (16'-17')

H233746-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**336**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	22-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*3072037*	MS	*22-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	**423**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**350**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*99.9 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 2 (17'-18')

H233746-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**672**		16.0	mg/kg	4	3072126	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	**234**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	**63.7**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*103 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*124 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (0-1')

H233746-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**544**		16.0	mg/kg	4	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	**17.6**		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*99.0 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (2'-3')

H233746-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**688**		16.0	mg/kg	4	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*97.2 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*108 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (4'-5')

H233746-20 (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	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*98.0 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (6'-7')

H233746-21 (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	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*108 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (9'-10')

H233746-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**752**		16.0	mg/kg	4	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*104 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*119 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (12'-13')

H233746-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072037	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*3072037*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*105 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

BH- 3 (14'-15')

H233746-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	3072408	AC	24-Jul-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3072038	MS	23-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072038	MS	23-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072038	MS	23-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072038	MS	23-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072038	MS	23-Jul-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*3072038*	MS	*23-Jul-23*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072018	MS	21-Jul-23	8015B	
Surrogate: 1-Chlorooctane			*107 %*	*48.2-134*		*3072018*	MS	*21-Jul-23*	*8015B*	
Surrogate: 1-Chlorooctadecane			*123 %*	*49.1-148*		*3072018*	MS	*21-Jul-23*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3072126 - 1:4 DI Water										
Blank (3072126-BLK1)				Prepared & Analyzed: 21-Jul-23						
Chloride	ND	16.0	mg/kg							
LCS (3072126-BS1)				Prepared & Analyzed: 21-Jul-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3072126-BSD1)				Prepared & Analyzed: 21-Jul-23						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 3072408 - 1:4 DI Water										
Blank (3072408-BLK1)				Prepared & Analyzed: 24-Jul-23						
Chloride	ND	16.0	mg/kg							
LCS (3072408-BS1)				Prepared & Analyzed: 24-Jul-23						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3072408-BSD1)				Prepared & Analyzed: 24-Jul-23						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

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 3072029 - Volatiles										
Blank (3072029-BLK1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
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)	*0.0507*		mg/kg	*0.0500*		*101*	*71.5-134*			
LCS (3072029-BS1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
Benzene	1.94	0.050	mg/kg	2.00		97.0	82.8-130			
Toluene	1.86	0.050	mg/kg	2.00		93.1	86-128			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.4	85.9-128			
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.2	89-129			
o-Xylene	1.92	0.050	mg/kg	2.00		95.8	86.1-125			
Total Xylenes	5.85	0.150	mg/kg	6.00		97.4	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*97.9*	*71.5-134*			
LCS Dup (3072029-BSD1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
Benzene	1.99	0.050	mg/kg	2.00		99.3	82.8-130	2.31	15.8	
Toluene	1.91	0.050	mg/kg	2.00		95.3	86-128	2.31	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.4	85.9-128	1.10	16	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	89-129	1.85	16.2	
o-Xylene	1.89	0.050	mg/kg	2.00		94.6	86.1-125	1.27	16.7	
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	88.2-128	0.840	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0493*		mg/kg	*0.0500*		*98.5*	*71.5-134*			
Batch 3072037 - Volatiles										
Blank (3072037-BLK1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
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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CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

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 3072037 - Volatiles										
Blank (3072037-BLK1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0520*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS (3072037-BS1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
Benzene	1.97	0.050	mg/kg	2.00		98.3	82.8-130			
Toluene	1.90	0.050	mg/kg	2.00		95.1	86-128			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.4	85.9-128			
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	89-129			
o-Xylene	1.96	0.050	mg/kg	2.00		98.2	86.1-125			
Total Xylenes	6.01	0.150	mg/kg	6.00		100	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0521*		mg/kg	*0.0500*		*104*	*71.5-134*			
LCS Dup (3072037-BSD1)				Prepared: 20-Jul-23 Analyzed: 22-Jul-23						
Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130	4.21	15.8	
Toluene	1.96	0.050	mg/kg	2.00		97.8	86-128	2.87	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	3.43	16	
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89-129	2.55	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	2.13	16.7	
Total Xylenes	6.16	0.150	mg/kg	6.00		103	88.2-128	2.42	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0522*		mg/kg	*0.0500*		*104*	*71.5-134*			
Batch 3072038 - Volatiles										
Blank (3072038-BLK1)				Prepared: 20-Jul-23 Analyzed: 23-Jul-23						
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)	*0.0528*		mg/kg	*0.0500*		*106*	*71.5-134*			

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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:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

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 3072038 - Volatiles										
LCS (3072038-BS1)				Prepared: 20-Jul-23 Analyzed: 23-Jul-23						
Benzene	2.01	0.050	mg/kg	2.00		100	82.8-130			
Toluene	1.94	0.050	mg/kg	2.00		96.8	86-128			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	4.11	0.100	mg/kg	4.00		103	89-129			
o-Xylene	1.98	0.050	mg/kg	2.00		99.1	86.1-125			
Total Xylenes	6.09	0.150	mg/kg	6.00		102	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0525*		mg/kg	*0.0500*		*105*	*71.5-134*			
LCS Dup (3072038-BSD1)				Prepared: 20-Jul-23 Analyzed: 23-Jul-23						
Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130	0.953	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.3	86-128	0.442	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128	0.924	16	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89-129	0.722	16.2	
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125	1.12	16.7	
Total Xylenes	6.15	0.150	mg/kg	6.00		102	88.2-128	0.851	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0525*		mg/kg	*0.0500*		*105*	*71.5-134*			

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Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

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 3072017 - General Prep - Organics										
Blank (3072017-BLK1)				Prepared: 20-Jul-23 Analyzed: 21-Jul-23						
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	*33.5*		mg/kg	*50.0*		*67.0*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*37.0*		mg/kg	*50.0*		*74.0*	*49.1-148*			
LCS (3072017-BS1)				Prepared: 20-Jul-23 Analyzed: 21-Jul-23						
GRO C6-C10	179	10.0	mg/kg	200		89.6	66.4-123			
DRO >C10-C28	180	10.0	mg/kg	200		89.9	66.5-118			
Total TPH C6-C28	359	10.0	mg/kg	400		89.7	77.6-123			
Surrogate: 1-Chlorooctane	*39.9*		mg/kg	*50.0*		*79.8*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*41.1*		mg/kg	*50.0*		*82.2*	*49.1-148*			
LCS Dup (3072017-BSD1)				Prepared: 20-Jul-23 Analyzed: 21-Jul-23						
GRO C6-C10	173	10.0	mg/kg	200		86.3	66.4-123	3.76	17.7	
DRO >C10-C28	174	10.0	mg/kg	200		87.0	66.5-118	3.27	21	
Total TPH C6-C28	347	10.0	mg/kg	400		86.6	77.6-123	3.52	18.5	
Surrogate: 1-Chlorooctane	*41.1*		mg/kg	*50.0*		*82.2*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*42.5*		mg/kg	*50.0*		*85.0*	*49.1-148*			
Batch 3072018 - General Prep - Organics										
Blank (3072018-BLK1)				Prepared: 20-Jul-23 Analyzed: 21-Jul-23						
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	*52.3*		mg/kg	*50.0*		*105*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*58.5*		mg/kg	*50.0*		*117*	*49.1-148*			

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CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: HONEY GRAHAM 29 STATE 6H TAI Project Number: 212C - MD - 03173 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	Reported: 10-Aug-23 14:44

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 3072018 - General Prep - Organics										
LCS (3072018-BS1)				Prepared: 20-Jul-23 Analyzed: 21-Jul-23						
GRO C6-C10	195	10.0	mg/kg	200		97.4	66.4-123			
DRO >C10-C28	206	10.0	mg/kg	200		103	66.5-118			
Total TPH C6-C28	401	10.0	mg/kg	400		100	77.6-123			
Surrogate: 1-Chlorooctane	*57.8*		mg/kg	*50.0*		*116*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*68.8*		mg/kg	*50.0*		*138*	*49.1-148*			
LCS Dup (3072018-BSD1)				Prepared: 20-Jul-23 Analyzed: 21-Jul-23						
GRO C6-C10	205	10.0	mg/kg	200		103	66.4-123	5.27	17.7	
DRO >C10-C28	223	10.0	mg/kg	200		112	66.5-118	7.88	21	
Total TPH C6-C28	429	10.0	mg/kg	400		107	77.6-123	6.62	18.5	
Surrogate: 1-Chlorooctane	*59.8*		mg/kg	*50.0*		*120*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*70.9*		mg/kg	*50.0*		*142*	*49.1-148*			

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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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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: Tetra Tech				**BILL TO**	
Project Manager: Christian Llull				P.O. #:	
Address: 8911 Capital o Texas Hwy, Suite 2310				Company: Tetra Tech	
City: Austin	State: TX	Zip:		Attn: Christian Llull	
Phone #: (512)565-0190	Fax #:			Address: EMAIL	
Project #: 212C-MD-03173	Project Owner:	ConocoPhillips		City:	
Project Name: Honey Graham 29 State 6H Tank Battery Release				State: Zip:	
Project Location: Eddy County, New Mexico				Phone #:	
Sampler Name: Colton Bickerstaff				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	TPH 8015M	BTEX 8021B	Chloride SM4500CI-B
H233746																	
1	BH-1 (0-1')	G	1			X					X		7/18/2023		X	X	X
2	BH-1 (2'-3')	G	1			X					X		7/18/2023		X	X	X
3	BH-1 (4'-5')	G	1			X					X		7/18/2023		X	X	X
4	BH-1 (6'-7')	G	1			X					X		7/18/2023		X	X	X
5	BH-1 (9'-10')	G	1			X					X		7/18/2023		X	X	X
6	BH-1 (12'-13')	G	1			X					X		7/18/2023		X	X	X
7	BH-1 (14'-15')	G	1			X					X		7/18/2023		X	X	X
8	BH-2 (0-1')	G	1			X					X		7/18/2023		X	X	X
9	BH-2 (2'-3')	G	1			X					X		7/18/2023		X	X	X
10	BH-2 (4'-5')	G	1			X					X		7/18/2023		X	X	X

Relinquished By: Colton Bickerstaff	Date: 7/19/23 Time: 1200	Received By:	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:
			All Results are emailed. Please provide Email address: Christian.Llull@tetratech.com	
Relinquished By:	Date: Time:	Received By:	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.4 Corrected Temp. °C	Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ✱ Bacteria (only) Sample Condition Rush: NO ☐ Cool Intact Observed Temp. °C Thermometer ID ~~#113~~ #140 Correction Factor ~~-0.5°C~~ T= 7/19/23 ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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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: Tetra Tech		**BILL TO**	ANALYSIS REQUEST
Project Manager: Christian Llull		P.O. #:	
Address: 8911 Capital o Texas Hwy, Suite 2310		Company: Tetra Tech	
City: Austin	State: TX Zip:	Attn: Christian Llull	
Phone #: (512)565-0190	Fax #:	Address: EMAIL	
Project #: 212C-MD-03173	Project Owner: ConocoPhillips	City:	
Project Name: Honey Graham 29 State 6H Tank Battery Release		State: Zip:	
Project Location: Eddy County, New Mexico		Phone #:	
Sampler Name: Colton Bickerstaff		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	TPH 8015M	BTEX 8021B	Chloride SM4500CI-B								HOLD
H233744																									
11	BH-2 (6'-7')	G	1			X					X		7/18/2023		X	X	X								
12	BH-2 (9'-10')	G	1			X					X		7/18/2023		X	X	X								
13	BH-2 (12'-13')	G	1			X					X		7/18/2023		X	X	X								
14	BH-2 (14'-15')	G	1			X					X		7/18/2023		X	X	X								
15	BH-2 (15'-16')	G	1			X					X		7/18/2023		X	X	X								
16	BH-2 (16'-17')	G	1			X					X		7/18/2023		X	X	X	added 8/10/23							X
17	BH-2 (17'-18')	G	1			X					X		7/18/2023		X	X	X								X
18	BH-3 (0-1')	G	1			X					X		7/18/2023		X	X	X								
19	BH-3 (2'-3')	G	1			X					X		7/18/2023		X	X	X								
20	BH-3 (4'-5')	G	1			X					X		7/18/2023		X	X	X								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Colton Bickerstaff	Date: 7/19/23 Time: 1200	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: Christian.Llull@tetratech.com
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.4 Corrected Temp. °C	Sample Condition Cool: Yes Intact: Yes / No No	CHECKED BY: (Initials) T.O.	Turnaround Time: Standard ✱ Bacteria (only) Sample Condition Rush: NO ☐ Cool Intact Observed Temp. °C Thermometer ID ~~#113~~ #140 Correction Factor ~~-0.5°C~~ T.O. 7/19/23 ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		**BILL TO**	ANALYSIS REQUEST
Project Manager: Christian Llull		P.O. #:	
Address: 8911 Capital o Texas Hwy, Suite 2310		Company: Tetra Tech	
City: Austin	State: TX Zip:	Attn: Christian Llull	
Phone #: (512)565-0190	Fax #:	Address: EMAIL	
Project #: 212C-MD-03173	Project Owner: ConocoPhillips	City:	
Project Name: Honey Graham 29 State 6H Tank Battery Release		State: Zip:	
Project Location: Eddy County, New Mexico		Phone #:	
Sampler Name: Colton Bickerstaff		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	TPH 8015M	BTEX 8021B	Chloride SM4500Cl-B
H233746-21	BH-3 (6'-7')	G	1			X					X		7/18/2023		X	X	X
22	BH-3 (9'-10')	G	1			X					X		7/18/2023		X	X	X
23	BH-3 (12'-13')	G	1			X					X		7/18/2023		X	X	X
24	BH-3 (14'-15')	G	1			X					X		7/18/2023		X	X	X
		G	1			X					X		7/18/2023		X	X	X

Relinquished By: Colton Bickerstaff	Date: 7/19/23 Time: 1300	Received By:	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:
			All Results are emailed. Please provide Email address: Christian.Llull@tetratech.com	
Relinquished By:	Date: Time:	Received By:	REMARKS:	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.4 Corrected Temp. °C	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ✱ Bacteria (only) Sample Condition Rush: NO ☐ Cool Intact Observed Temp. °C Thermometer ID #140 Correction Factor T.D. 7/19/23 ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

July 26, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: HONEY GRAHAM 29 STATE 6H TANK BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/23 12:45.

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

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	07/20/2023	Sampling Date:	07/20/2023
Reported:	07/26/2023	Sampling Type:	Soil
Project Name:	HONEY GRAHAM 29 STATE 6H TANK BA	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03173	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

Sample ID: AH - 1 (0-1') (H233779-01)

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	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEX	<0.300	0.300	07/24/2023	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	**112**	16.0	07/25/2023	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	07/24/2023	ND	203	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/24/2023	ND	206	103	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	07/24/2023	ND					

Surrogate: 1-Chlorooctane *96.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		**BILL TO**	
Project Manager: Christian Llull		P.O. #:	
Address: 8911 Capital o Texas Hwy, Suite 2310		Company: Tetra Tech	
City: Austin	State: TX Zip:	Attn: Christian Llull	
Phone #: (512)565-0190	Fax #:	Address: EMAIL	
Project #: 212C-MD-03173	Project Owner: ConocoPhillips	City:	
Project Name: Honey Graham 29 State 6H Tank Battery Release		State: Zip:	
Project Location: Eddy County, New Mexico		Phone #:	
Sampler Name: Colton Bickerstaff		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015M	BTEX 8021B	Chloride SM4500CI-B
H233779-1	AH-1 (0-1')	G	1			X					X		7/20/2023		X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Colton Bickerstaff	Date: 7/20/23 Time: 1245	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: Christian.Llull@tetratech.com
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C -1.1	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TO

Turnaround Time: Standard ✱ Bacteria (only) Sample Condition
Rush: ND ☐ Cool Intact Observed Temp. °C
Thermometer ID ~~#113~~ #140
Correction Factor ~~0.5°C~~ TO 7/20/23
☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

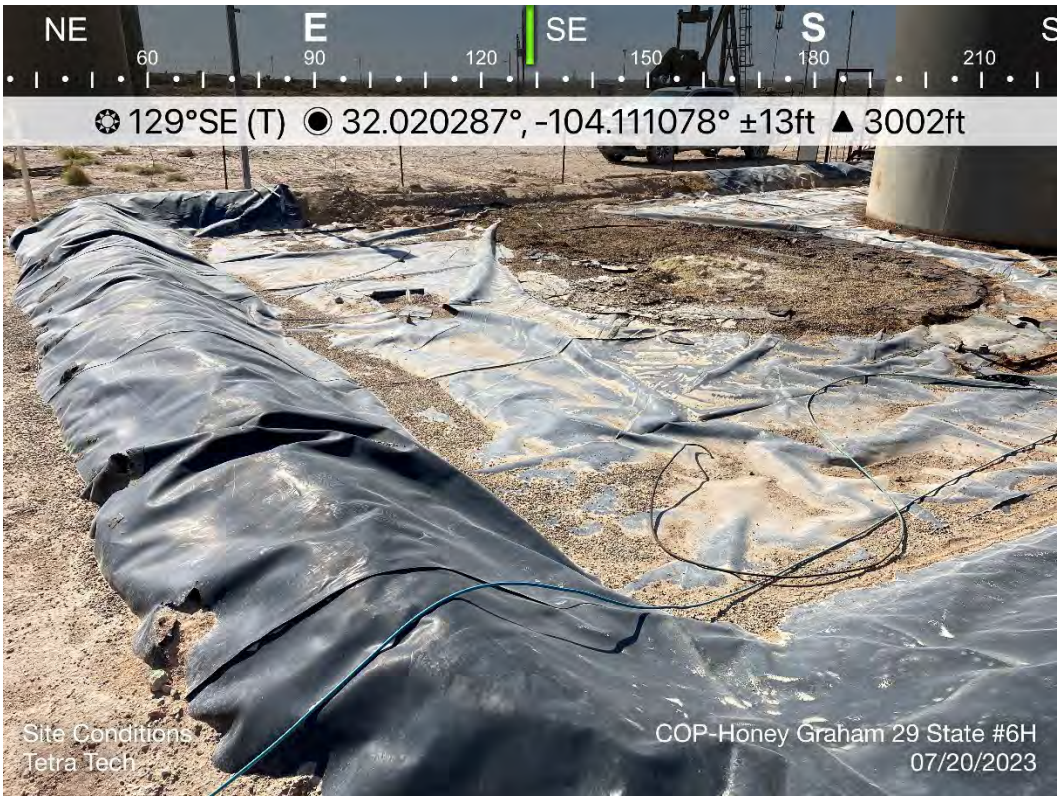
FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

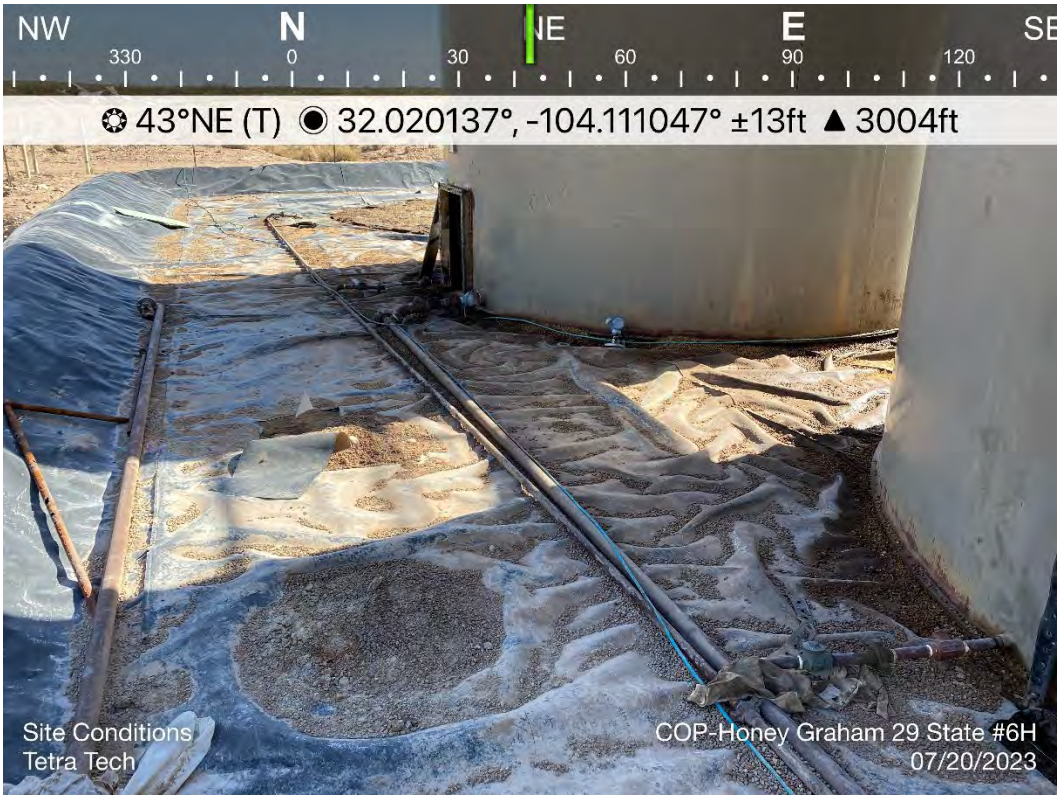
APPENDIX E
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View west. Site signage at eastern containment berm.	1
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View southwest. Northern portion of the release area.	2
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023



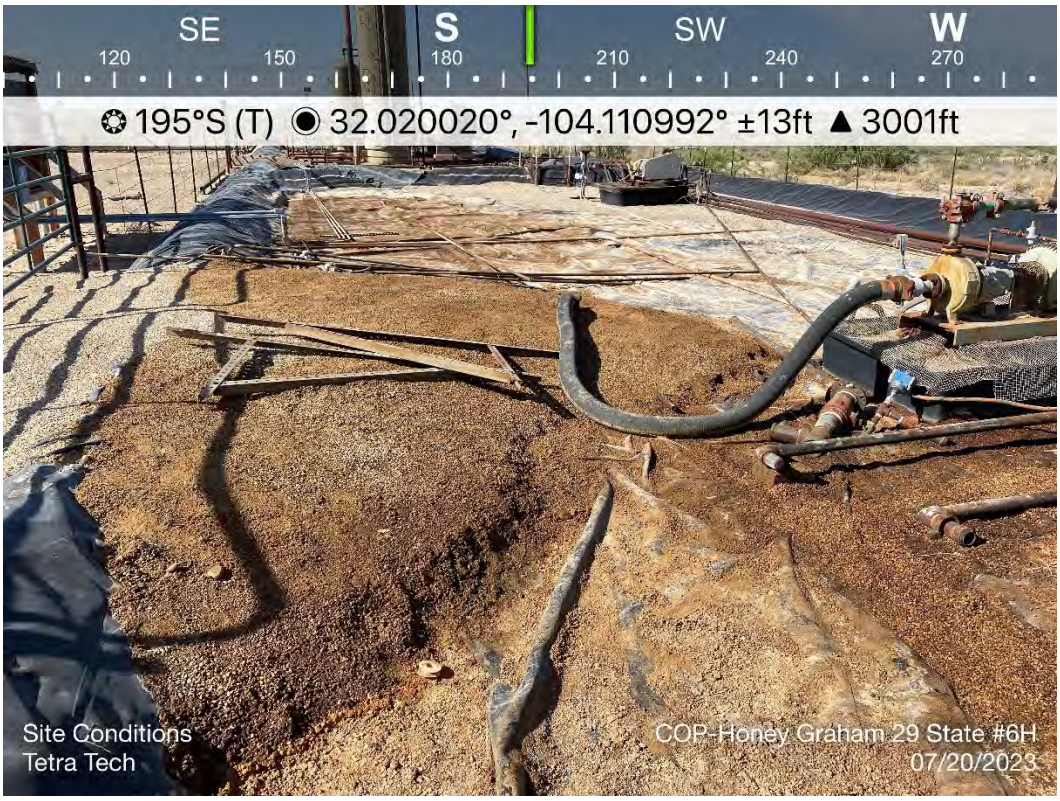
TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View southeast. Northern portion of the release area. Former location of removed tank.	3
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View northeast. Western side of the tank battery secondary containment.	4
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023

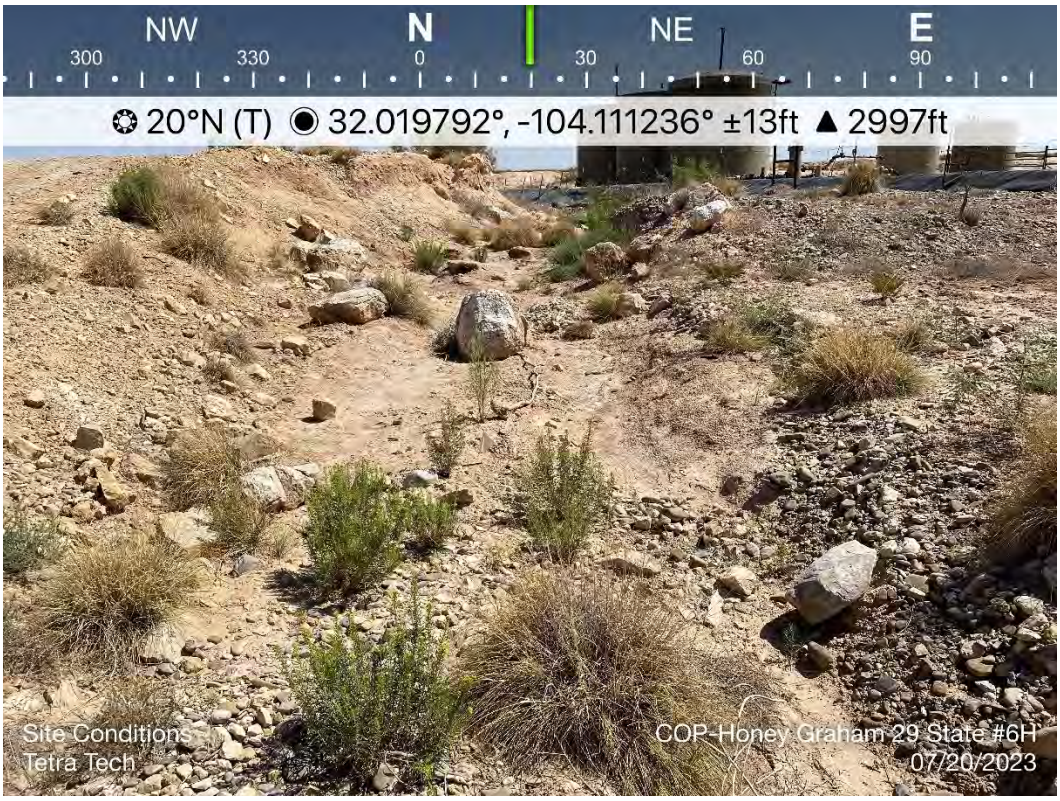
TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View north. Western side of tank battery secondary containment.	5
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View northeast. Southern portion of the tank battery. Former location of removed tank.	6
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View south. Southern portion of tank battery.	7
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023

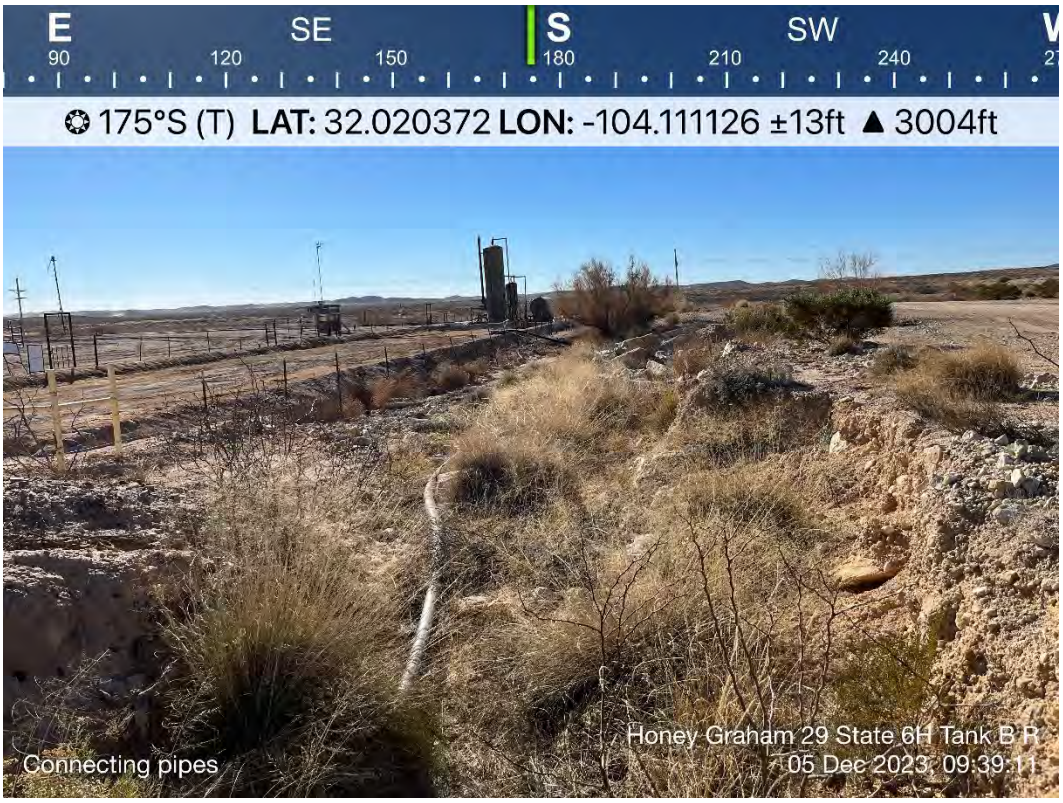
TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View north. Southern portion of tank battery secondary containment.	8
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View north-northeast. Release area west of the tank battery.	9
	SITE NAME	Honey Graham 29 State #006H Release	7/20/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View south-southwest. View of current site conditions.	10
	SITE NAME	Honey Graham 29 State #006H Release	12/5/2023

TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View south. View of current site conditions.	11
	SITE NAME	Honey Graham 29 State #006H Release	12/5/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03173	DESCRIPTION	View south. View of current site conditions.	12
	SITE NAME	Honey Graham 29 State #006H Release	12/5/2023

APPENDIX F
Regulatory Correspondence

Poole, Nicholas

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, August 25, 2023 8:53 AM
To: Poole, Nicholas
Cc: Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: (Extension Approval) - COG - NAPP2313129153 (Honey Graham 29 State Com 006H)

RE: Incident #**NAPP2313129153**

Nicholas,

Your request for an extension to **October 16th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, August 24, 2023 3:28 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - NAPP2313129153 (Honey Graham 29 State Com 006H)

From: Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>
Sent: Thursday, August 24, 2023 2:52 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request - NAPP2313129153 (Honey Graham 29 State Com 006H)

To Whom It May Concern,

On behalf of ConocoPhillips, Tetra Tech is requesting a 90-day extension (until October 16, 2023) to complete assessment activities and associated reporting for the Honey Graham 29 State Com 006H Release site (**NAPP2313129153**). The release occurred on April 18, 2023, and the initial C-141 Report Form was received by NMOCD on May 11, 2023.

The release footprint is located on State Trust lands. As of December 1, 2022 New Mexico State Land Office's Cultural Properties Protection (CPP) Rule is in effect. In tandem with this CPP rule, the NMSLO has begun enforcing application and permitting requirements per Rule 12 (19.2.12 NMAC) for Water/Soil Boring Exploration Permits. Any intrusive activities (i.e. # soil borings to be drilled, sampling to be conducted, etc.) must be permitted through the Water Bureau, Oil, Gas, and Minerals Division, New Mexico State Land Office.

Tetra Tech is currently in the process of complying with these rules. The allocation of resources required to complete the cultural survey requirements and the Water/Soil Boring Exploration permit process are demanding and require additional time for coordination with not only regulatory personnel but additional archaeological subcontractors and cultural specialists. ConocoPhillips plans to conduct the assessment in the coming month, as soon as the cultural survey is completed, the archaeological report is submitted and approved by State Land Office Cultural Resources, and the permitting process is completed.

Please let me know if you have any questions or concerns.

Thank you in advance.

Nicholas

Nicholas Poole | Project Scientist
Mobile **+1 (512) 560-9064** | nicholas.poole@tetratech.com

Tetra Tech | *Leading with Science®* | OGA
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

Poole, Nicholas

From: OCDOnline@state.nm.us
Sent: Tuesday, December 26, 2023 2:42 PM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 270760

To whom it may concern (c/o Christian Llull for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2313129153,
for the following reasons:

- **Remediation plan denied. Request for variance on background chloride concentrations is denied. Both Table 1 and Table 2 show several chloride samples below 100 ppm. Request for a variance to collect confirmation samples at every 400 square feet is approved.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 270760.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

APPENDIX G
NMSLO Seed Mixture Details

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

Honey Graham 29 State Com #006H

August 30, 2023

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CR	Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes	0.1	19.2%
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	0.2	80.8%
Totals for Area of Interest		**0.3**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The

delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

CR—Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w47
Elevation: 3,000 to 4,300 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Cottonwood and similar soils: 60 percent
Reeves and similar soils: 35 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cottonwood

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 9 inches: loam
H2 - 9 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 3 to 12 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 20 percent
Maximum salinity: Moderately saline to strongly saline (8.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Description of Reeves

Setting

Landform: Plains, ridges, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 20 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: B
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 5 percent
Hydric soil rating: No

GC—Gypsum land-Cottonwood complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4g
Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 66 degrees F
Frost-free period: 190 to 225 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 60 percent
Cottonwood and similar soils: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Description of Cottonwood

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 3 to 12 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

NMSLO Seed Mix Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	**VNS, Southern**	**1.0**	**D**
Blue grama	**Lovington**	**1.0**	**D**
Sideoats grama	**Vaughn, El Reno**	**4.0**	**F**
Sand dropseed	**VNS, Southern**	**2.0**	**S**
Alkali sacaton	**VNS, Southern**	**1.0**	
Little bluestem	**Cimarron, Pastura**	**1.5**	**F**
Forbs:			
Firewheel (*Gaillardia*)	**VNS, Southern**	**1.0**	**D**
Shrubs:			
Fourwing saltbush	**Marana, Santa Rita**	**1.0**	**D**
Common winterfat	**VNS, Southern**	**0.5**	**F**
	Total PLS/acre	**18.0**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

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QUESTIONS

Action 313118

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 313118
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2313129153**
Incident Name	**NAPP2313129153 HONEY GRAHAM 29 STATE COM 006H @ 0**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2203946381] HONEY GRAHAM 29 ST**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HONEY GRAHAM 29 STATE COM 006H
Date Release Discovered	04/18/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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 | Tank (Any) | Crude Oil | Released: 50 BBL | Recovered: 0 BBL | Lost: 50 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Tank (Any) | Produced Water | Released: 130 BBL | Recovered: 0 BBL | Lost: 130 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

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	Action Number: 313118
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetratech.com Date: 02/09/2024

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 313118
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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	High
A 100-year floodplain	Zero feet, overlying, or within area
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	2240
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14940
GRO+DRO (EPA SW-846 Method 8015M)	10690
BTEX (EPA SW-846 Method 8021B or 8260B)	226
Benzene (EPA SW-846 Method 8021B or 8260B)	7.6
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	07/07/2024
On what date will (or did) the final sampling or liner inspection occur	07/09/2024
On what date will (or was) the remediation complete(d)	07/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	5896
What is the estimated volume (in cubic yards) that will be reclaimed	1681
What is the estimated surface area (in square feet) that will be remediated	5896
What is the estimated volume (in cubic yards) that will be remediated	1681
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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QUESTIONS (continued)

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	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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: Christian LLuLL Title: Project Manager Email: christian.llull@tetratech.com Date: 02/09/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 313118
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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	Action Number: 313118
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 313118

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 313118
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Please submit closure report to OCD by 5/9/2024.	2/9/2024