

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jocelyn Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/23/2023

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

Closure Approved by: Robert Hamlet Date: _____

Printed Name: _____ Title: _____



SITE INFORMATION

Closure Report
Dump Yard 2 State 001H (12.5.22)
Incident #NAPP2234737098
Eddy County, New Mexico
Unit M Sec 2 T21S R28E
32.5026°, -104.0641

Crude Oil Release
Point of Release: Equipment Malfunction
Release Date: 12.5.22
Volume Released: 3.8 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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

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



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March 21, 2023

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

**Re: Closure Report
Dump Yard 2 State 001H (12.5.22)
Concho Operating, LLC
Site Location: Unit M, S2, T21S, R28E
(Lat 32.5026°, Long -104.0641°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Dump Yard 2 State 001H (12.5.22). The site is located at 32.5026°, -104.0641° within Unit M, S2, T21S, R28E, and in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 5, 2022, caused by an inlet separator overflowing into the flare line, causing fluid to spill out of the flare. It released approximately three point eight (3.8) barrels of crude oil, and zero (0) barrels of crude oil were recovered. The impacted area occurred both off and on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.95 miles Northeast of the site in S2, T21S, R28E and was drilled in 2022. The well has a reported depth to groundwater of 160' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On December 19, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, five (5) sample points (S-1 through S-5) and five (5) horizontal points (H-1 through H-5) were advanced to depths ranging from the surface to 1' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under

the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

The areas of S-1, S-2, and S-3 had an elevated TPH concentration ranging from 230 mg/kg to 1,130 mg/kg from surface to 0.5' bgs. The areas of S-4 and S-5 had a high TPH concentration ranging from 563 mg/kg to 611 mg/kg from surface to 0.25' bgs. The areas of S-1 through S-5 were below the regulatory limits for BTEX and chloride concentrations. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-5 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on February 13, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-1, S-2, and S-3 were excavated to a depth of 1.0' bgs to remove all the impacted soils. The areas of S-4 through S-5 were excavated to a depth of 0.5' bgs to remove all the impacted soils. A total of twelve (12) floor confirmation samples were collected (CS-1 through CS-12), and four (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory and reclamation requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 126 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC



Mike Carmona
Environmental Manager



Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

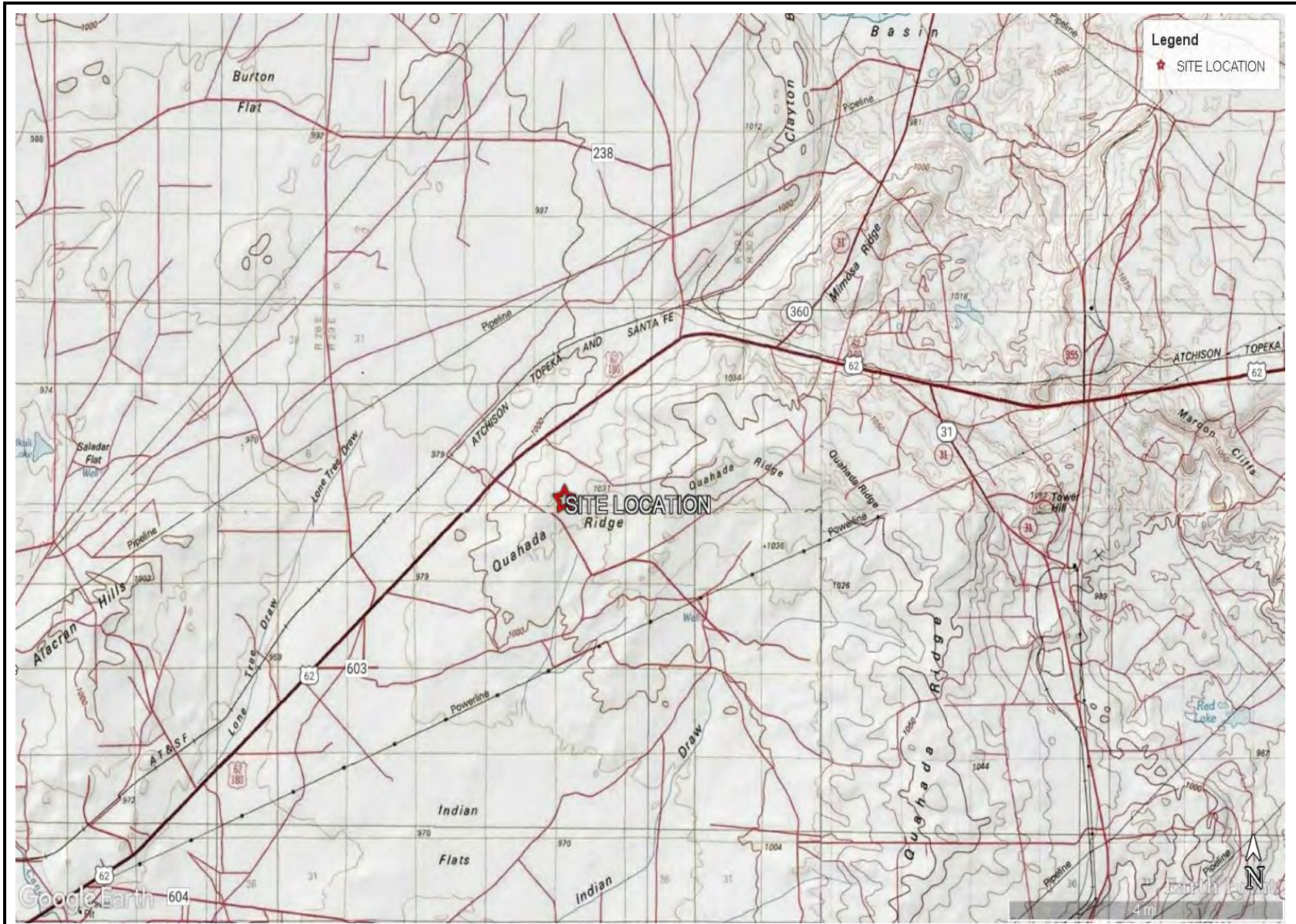




SITE OVERVIEW MAP
COG OPERATING, LLC
DUMP YARD 2 STATE 001H (12.5.22)
EDDY COUNTY, NEW MEXICO
32.5026, -104.0641



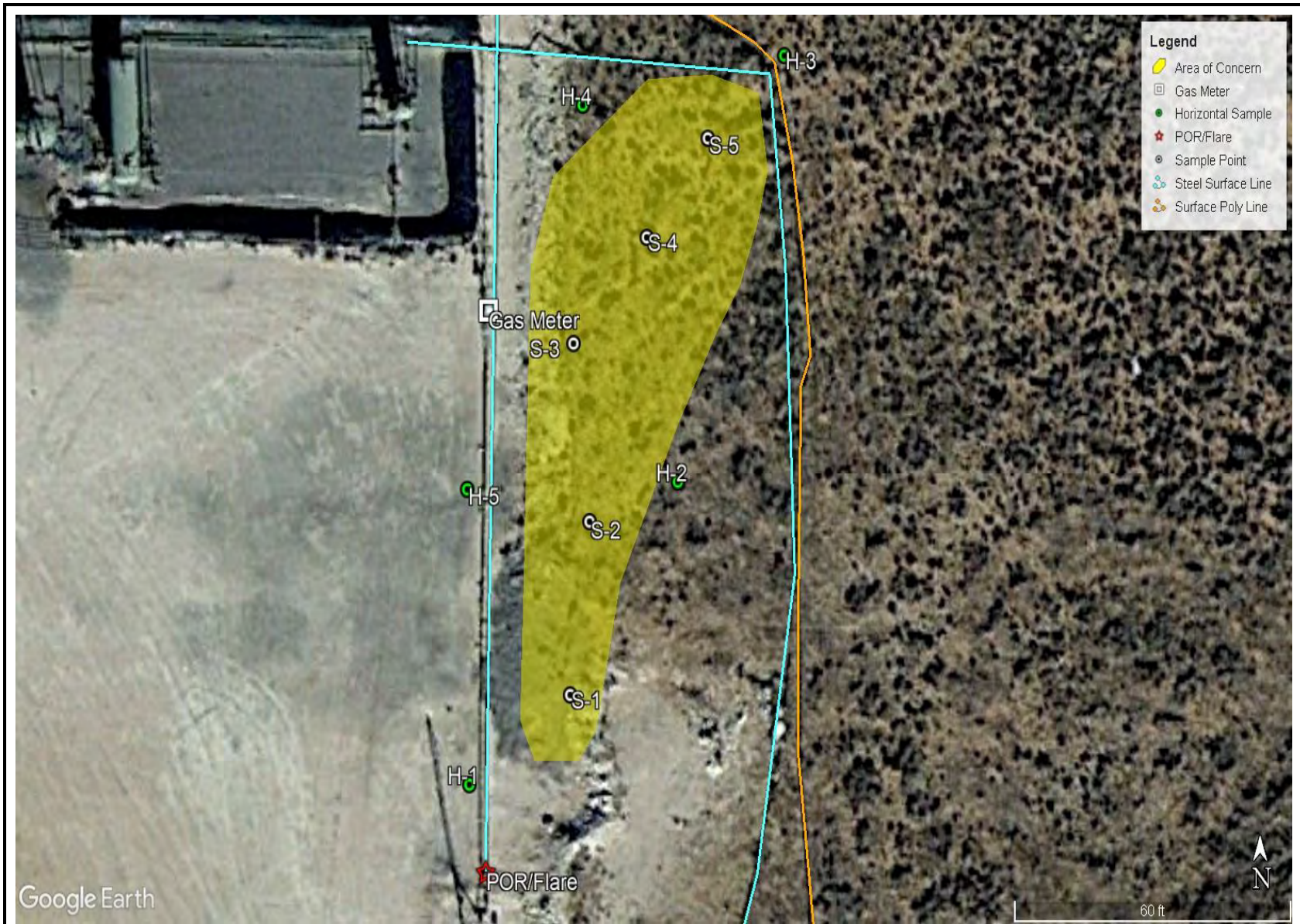
FIGURE 1



TOPOGRAPHIC MAP
COG OPERATING, LLC
DUMP YARD 2 STATE 001H (12.5.22)
EDDY COUNTY, NEW MEXICO
32.5026, -104.0641



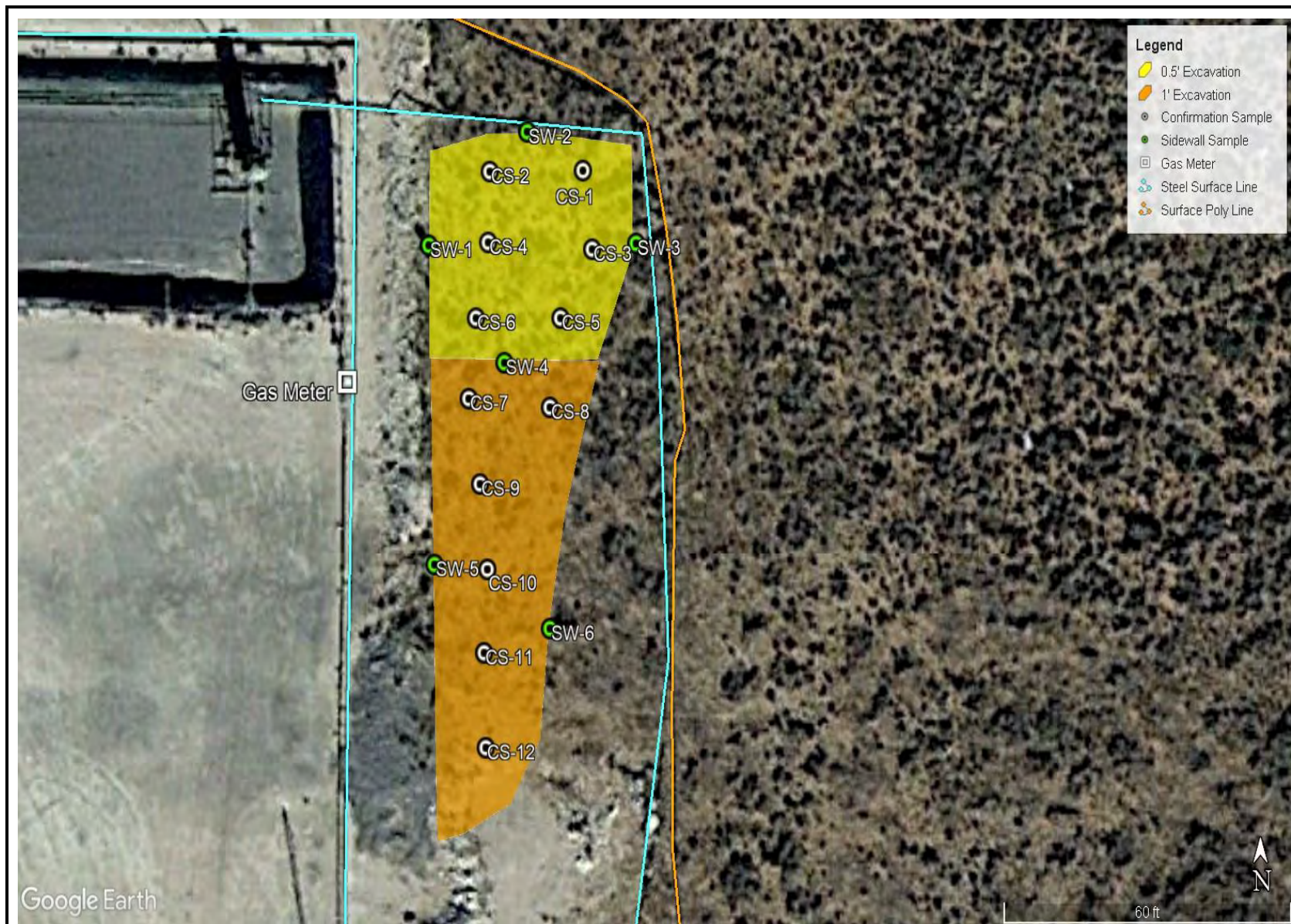
FIGURE 2



SAMPLE LOCATION MAP
COG OPERATING, LLC
DUMP YARD 2 STATE 001H (12.5.22)
EDDY COUNTY, NEW MEXICO
32.5026, -104.0641



FIGURE 3



EXCAVATION DEPTH MAP
COG OPERATING, LLC
DUMP YARD 2 STATE 001H (12.5.22)
EDDY COUNTY, NEW MEXICO
32.5026, -104.0641



FIGURE 4

APPENDIX A

CARMONA RESOURCES



**Table 1
COG
Dump Yard 2 State 001H (12.05.22)
Eddy County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/19/2022	0-0.25	<50.0	2,230	<50.0	2,230	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5.57
	"	0.5	<49.9	1,130	<49.9	1,130	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7.96
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
S-2	12/19/2022	0-0.25	<49.9	1,130	<49.9	1,130	<0.00198	0.00295	<0.00198	<0.00396	<0.00396	<4.96
	"	0.5	<49.9	230	<49.9	230	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.96
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
S-3	12/19/2022	0-0.25	<50.0	1,640	<50.0	1,640	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.83
	"	0.5	<49.9	728	<49.9	728	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.03
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.01
S-4	12/19/2022	0-0.25	<50.0	563	<50.0	563	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.01
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.02
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.00
S-5	12/19/2022	0-0.25	<49.9	611	<49.9	611	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.64
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.03
H-1	12/19/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00707	0.00454	0.0116	<5.00
H-2	12/19/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
H-3	12/19/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.9
H-4	12/19/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.05
H-5	12/19/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal Sample

 Removed

Table 2
COG
Dump Yard 2 State 001H (12.05.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-2	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-4	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-5	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-7	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-8	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-9	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-10	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-12	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-1	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	2/16/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	2/16/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-6	2/16/2023	1.0	32.7	11.8	<10.0	44.5	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<i>Regulatory Criteria^A</i>						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Dump Yard 2 State 001H
(12.5.22)

County: Eddy County, New Mexico

Description:
View North, area of CS-1 through CS-12.



Photograph No. 2

Facility: Dump Yard 2 State 001H
(12.5.22)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-1 through CS-12.



Photograph No. 3

Facility: Dump Yard 2 State 001H
(12.5.22)

County: Eddy County, New Mexico

Description:
View South, area of CS-7 through CS-12.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Dump Yard 2 State 001H
(12.5.22)

County: Eddy County, New Mexico

Description:
View North, area of CS-1 through CS-6.



Photograph No. 5

Facility: Dump Yard 2 State 001H
(12.5.22)

County: Eddy County, New Mexico

Description:
View South, area of CS-1 through CS-12.



APPENDIX C

CARMONA RESOURCES



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

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

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

Incident ID	NAPP2234737098
District RP	
Facility ID	fAPP2129337739
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2234737098
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.5026 Longitude -104.0641
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Dump Yard 2 State 001H	Site Type	Tank Battery
Date Release Discovered	December 5, 2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
M	02	21S	28E	Eddy

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 3.8	Volume Recovered (bbls) 0
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


The release was caused by a inlet separator overflowing into the flare line causing fluid to spill out of the flare. No fire occurred.
The release was on and off the pad.
Evaluation will be made of the spill area to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	NAPP2234737098
District RP	
Facility ID	fAPP2129337739
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> 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: <u>Brittany N. Esparza</u> Title: <u>Environmental Technician</u> Signature: <u></u> Date: <u>12/13/2022</u> email: <u>Brittany.Esparza@ConocoPhillips.com</u> Telephone: <u>(432) 221-0398</u>
OCD Only Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number: Dump Yard 2 State 1
 Asset Area: DBW
 Release Discovery Date & Time: 12/9/2022
 Release Type: Oil
 Provide any known details about the event: Inlet Separator overflowed into flare line.

Spill Calculation - Subsurface Spill - Rectangle

See reference table below
 See reference table below

Convert irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	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.)
Rectangle A	100.0	50.0	0.50	10.50%	37.083	3.894			
Rectangle B					0.000	0.000			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
Total Volume Release:					3.894	3.894			

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

State of New Mexico
Oil Conservation Division

Page 4

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: Jocelyn Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 0/23/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jocelyn Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/23/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: [Enviro, OCD, EMNRD](#)
To: [Mike Carmona](#); [Hamlet, Robert, EMNRD](#); [Bratcher, Michael, EMNRD](#)
Cc: [Harris, Jacqui](#); [Conner Moehring](#); [Miranda Milwee](#)
Subject: RE: [EXTERNAL] COG Dump Yard 2 State 001H(12.05.22)-48 Hours Sampling Notification-Incident No.NAPP2234737098
Date: Monday, February 13, 2023 4:00:58 PM
Attachments: [image002.png](#)

Mike,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Monday, February 13, 2023 12:03 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Harris, Jacqui <Jacqui.Harris@conocophillips.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Miranda Milwee <MilweeM@carmonaresources.com>
Subject: [EXTERNAL] COG Dump Yard 2 State 001H(12.05.22)-48 Hours Sampling Notification-Incident No.NAPP2234737098

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of COG, Carmona Resources will collect confirmation samples for the below-referenced site on 02/16/23 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

Dump Yard 2 State 001H(12.05.22)
Incident No.NAPP2234737098

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com



APPENDIX D








CARMONA RESOURCES

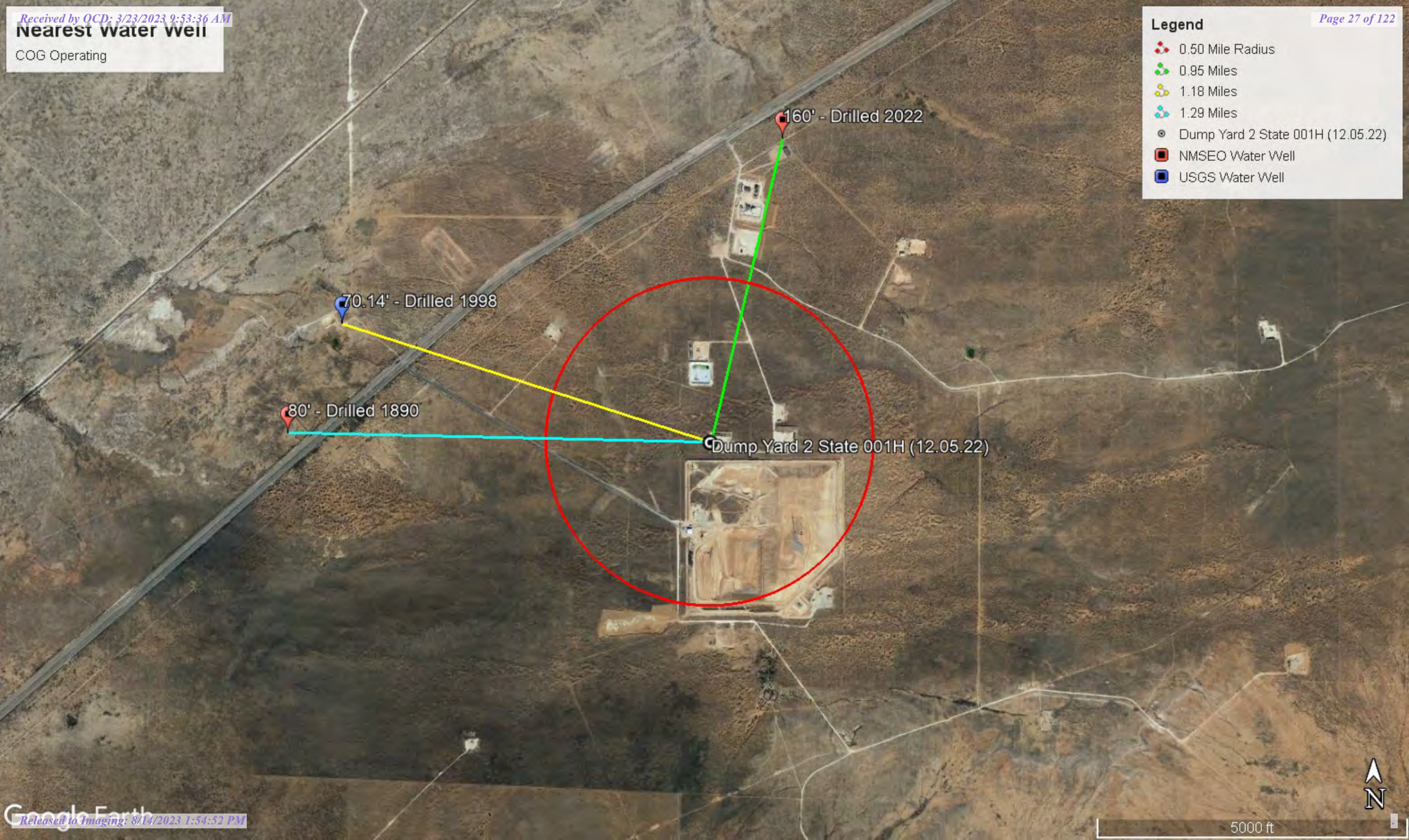


Nearest water well

COG Operating

Legend

-  0.50 Mile Radius
-  0.95 Miles
-  1.18 Miles
-  1.29 Miles
-  Dump Yard 2 State 001H (12.05.22)
-  NMSEO Water Well
-  USGS Water Well



160' - Drilled 2022

70.14' - Drilled 1998

80' - Drilled 1890

Dump Yard 2 State 001H (12.05.22)

Medium Karst

COG Operating

Legend

- Dump Yard 2 State 001H (12.05.22)
- High
- Medium

● Dump Yard 2 State 001H (12.05.22)



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01905 POD1	CP	ED		1	4	1	02	21S	28E	588251	3598010	1514	210	160	50
C 03266 POD1	CUB	ED		3	4	4	04	21S	28E	585844	3596555*	2072	260	80	180
C 03267 POD1	CUB	ED		4	3	3	04	21S	28E	584833	3596541*	3083	52	40	12
CP 00516	CP	ED		4	4	4	12	21S	28E	590901	3594984*	3362	275	205	70

Average Depth to Water: **121 feet**

Minimum Depth: **40 feet**

Maximum Depth: **205 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 587916.8

Northing (Y): 3596533.18

Radius: 4000

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
21003	CP 01905 POD1	1	4	1	02	21S	28E	588251	3598010

Driller License: 1753	Driller Company: VANGUARD WATER WELLS	
Driller Name: FRIESSEN, JACOBONTEE.NER		
Drill Start Date: 04/07/2022	Drill Finish Date: 04/08/2022	Plug Date:
Log File Date: 04/26/2022	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 5 GPM
Casing Size: 5.00	Depth Well: 210 feet	Depth Water: 160 feet

Water Bearing Stratifications:	Top	Bottom	Description
	163	194	Other/Unknown

Casing Perforations:	Top	Bottom
	170	210

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12/20/22 12:41 PM

POINT OF DIVERSION SUMMARY

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

Groundwater New Mexico GO

Click to hide News Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for New Mexico

Click to hide state-specific text

I Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =
 • 323028104050001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323028104050001 21S.28E.04.42144

Eddy County, New Mexico

Latitude 32°30'28", Longitude 104°05'00" NAD27

Land-surface elevation 3,238 feet above NAVD88

The depth of the well is 185 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source
1968-05-22			D 62610		3149.34	NGVD29	1		Z	
1968-05-22			D 62611		3150.93	NAVD88	1		Z	
1968-05-22			D 72019	87.07			1		Z	
1971-02-01			D 62610		3148.64	NGVD29	P		Z	
1971-02-01			D 62611		3150.23	NAVD88	P		Z	
1971-02-01			D 72019	87.77			P		Z	
1976-12-14			D 62610		3156.30	NGVD29	1		Z	
1976-12-14			D 62611		3157.89	NAVD88	1		Z	
1976-12-14			D 72019	80.11			1		Z	
1977-12-16			D 62610		3156.21	NGVD29	1		Z	
1977-12-16			D 62611		3157.80	NAVD88	1		Z	
1977-12-16			D 72019	80.20			1		Z	
1983-01-19			D 62610		3156.94	NGVD29	1		Z	
1983-01-19			D 62611		3158.53	NAVD88	1		Z	
1983-01-19			D 72019	79.47			1		Z	
1987-10-15			D 62610		3156.26	NGVD29	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status
1987-10-15	D	62611	3157.85	NAVD88	1	Z	
1987-10-15	D	72019	80.15		1	Z	
1992-12-10	D	62610	3149.63	NGVD29	P	S	
1992-12-10	D	62611	3151.22	NAVD88	P	S	
1992-12-10	D	72019	86.78		P	S	
1998-01-28	D	62610	3166.27	NGVD29	1	S	
1998-01-28	D	62611	3167.86	NAVD88	1	S	
1998-01-28	D	72019	70.14		1	S	

Explanation

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

- [Questions about sites/data?](#)
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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-12-20 14:45:57 EST

0.3 0.24 nadww02



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03266 POD1	3	4	4	04	21S	28E	585844	3596555*

Driller License:	122	Driller Company:	UNKNOWN		
Driller Name:	UNKNOWN				
Drill Start Date:		Drill Finish Date:	12/31/1890	Plug Date:	
Log File Date:		PCW Rev Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:	260 feet	Depth Water:	80 feet

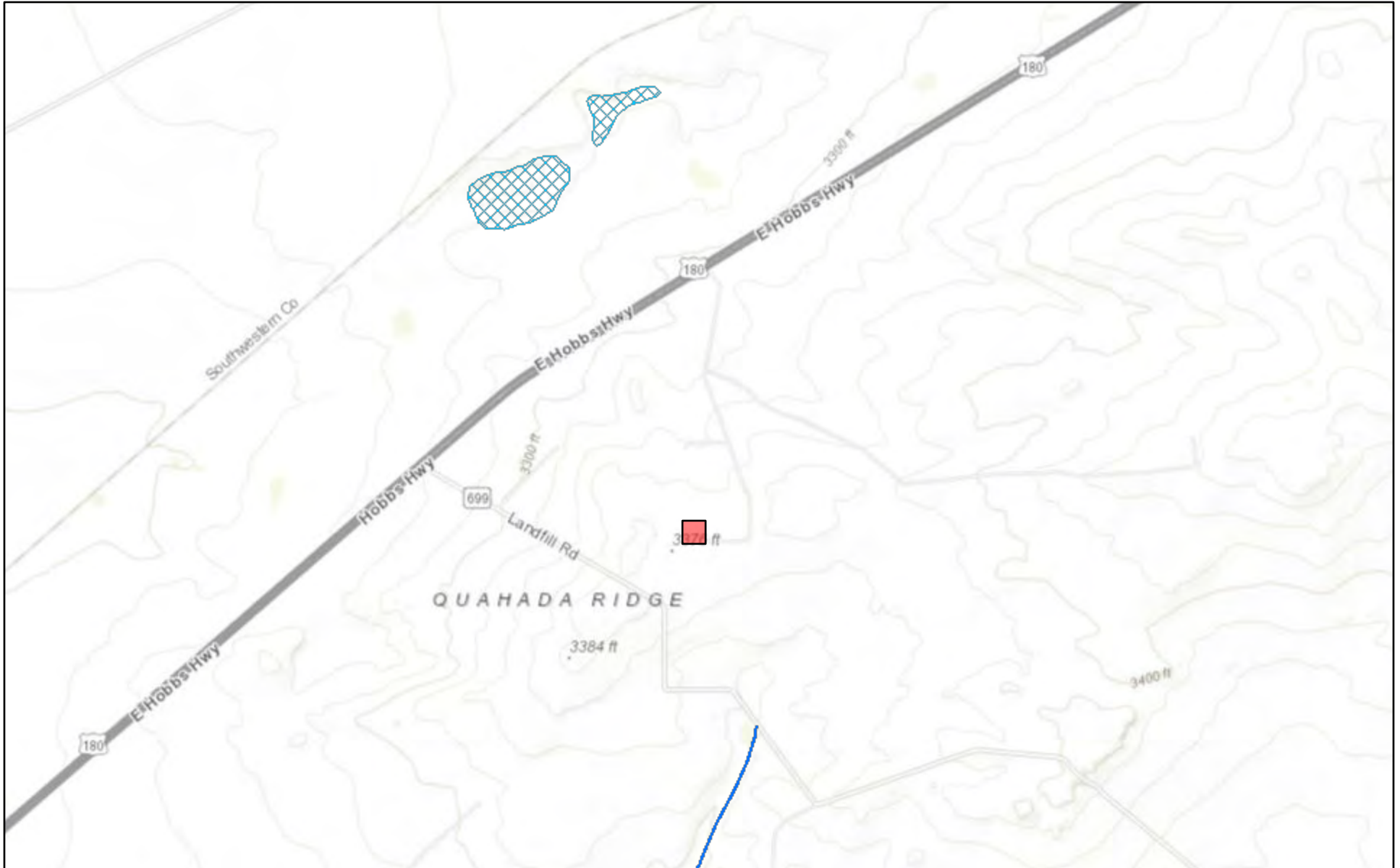
*UTM location was derived from PLSS - see Help

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

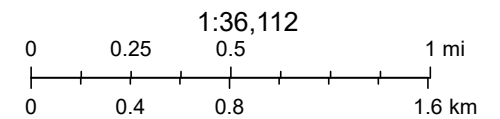
12/20/22 12:43 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



December 20, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Clint Merritt
 Carmona Resources
 310 W Wall St
 Ste 415
 Midland, Texas 79701

Generated 12/29/2022 1:20:50 PM

JOB DESCRIPTION

Dump Yard 2 State 001H (12.05.22)
 SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22952-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

Authorization



Generated
12/29/2022 1:20:50 PM

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

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Laboratory Job ID: 880-22952-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

Job ID: 880-22952-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-22952-1****Receipt**

The samples were received on 12/20/2022 2:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-6") (880-22952-1), H-2 (0-6") (880-22952-2), H-3 (0-6") (880-22952-3), H-4 (0-6") (880-22952-4) and H-5 (0-6") (880-22952-5).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42724 and analytical batch 880-42777 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: The surrogate recovery for the blank associated with preparation batch 880-42325 and analytical batch 880-42361 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-22952-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-42325 and analytical batch 880-42361 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

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



Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-22952-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:04	12/29/22 07:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:04	12/29/22 07:20	1
Ethylbenzene	0.00707		0.00201		mg/Kg		12/27/22 14:04	12/29/22 07:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 14:04	12/29/22 07:20	1
o-Xylene	0.00454		0.00201		mg/Kg		12/27/22 14:04	12/29/22 07:20	1
Xylenes, Total	0.00454		0.00402		mg/Kg		12/27/22 14:04	12/29/22 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/27/22 14:04	12/29/22 07:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/27/22 14:04	12/29/22 07:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0116		0.00402		mg/Kg			12/29/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 10:46	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 F2	50.0		mg/Kg		12/20/22 15:14	12/21/22 21:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 21:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	12/20/22 15:14	12/21/22 21:45	1
o-Terphenyl	97		70 - 130	12/20/22 15:14	12/21/22 21:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/22/22 10:57	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-22952-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:04	12/29/22 07:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:04	12/29/22 07:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:04	12/29/22 07:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:04	12/29/22 07:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:04	12/29/22 07:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:04	12/29/22 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/27/22 14:04	12/29/22 07:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/27/22 14:04	12/29/22 07:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-22952-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/21/22 22:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/21/22 22:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/21/22 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/20/22 15:14	12/21/22 22:52	1
o-Terphenyl	98		70 - 130				12/20/22 15:14	12/21/22 22:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/22/22 11:06	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22952-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 22:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 09:58	12/28/22 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 22:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 09:58	12/28/22 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				12/28/22 09:58	12/28/22 22:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130				12/28/22 09:58	12/28/22 22:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/29/22 09:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/21/22 23:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/21/22 23:14	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22952-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/21/22 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				12/20/22 15:14	12/21/22 23:14	1
o-Terphenyl	112		70 - 130				12/20/22 15:14	12/21/22 23:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		5.03		mg/Kg			12/21/22 19:38	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22952-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/28/22 09:58	12/28/22 22:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/28/22 09:58	12/28/22 22:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/28/22 09:58	12/28/22 22:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/28/22 09:58	12/28/22 22:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/28/22 09:58	12/28/22 22:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/28/22 09:58	12/28/22 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				12/28/22 09:58	12/28/22 22:44	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/28/22 09:58	12/28/22 22:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/29/22 09:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/21/22 23:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/21/22 23:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/21/22 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/20/22 15:14	12/21/22 23:37	1
o-Terphenyl	96		70 - 130				12/20/22 15:14	12/21/22 23:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			12/22/22 11:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-22952-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 09:58	12/28/22 23:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 09:58	12/28/22 23:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 09:58	12/28/22 23:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 09:58	12/28/22 23:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 09:58	12/28/22 23:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 09:58	12/28/22 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	12/28/22 09:58	12/28/22 23:04	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/28/22 09:58	12/28/22 23:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 09:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/21/22 23:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 23:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/20/22 15:14	12/21/22 23:58	1
o-Terphenyl	103		70 - 130	12/20/22 15:14	12/21/22 23:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/21/22 19:53	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-22914-A-1-B MS	Matrix Spike	99	103
880-22914-A-1-C MSD	Matrix Spike Duplicate	105	108
880-22952-1	H-1 (0-6")	120	99
880-22952-2	H-2 (0-6")	104	99
880-22952-3	H-3 (0-6")	101	80
880-22952-4	H-4 (0-6")	82	89
880-22952-5	H-5 (0-6")	82	81
890-3666-A-21-D MS	Matrix Spike	105	101
890-3666-A-21-E MSD	Matrix Spike Duplicate	106	89
LCS 880-42724/1-A	Lab Control Sample	99	103
LCS 880-42784/1-A	Lab Control Sample	104	96
LCSD 880-42724/2-A	Lab Control Sample Dup	99	108
LCSD 880-42784/2-A	Lab Control Sample Dup	93	96
MB 880-42718/5-A	Method Blank	95	108
MB 880-42724/5-A	Method Blank	96	106
MB 880-42784/5-A	Method Blank	75	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-22952-1	H-1 (0-6")	105	97
880-22952-1 MS	H-1 (0-6")	123	105
880-22952-1 MSD	H-1 (0-6")	135 S1+	102
880-22952-2	H-2 (0-6")	105	98
880-22952-3	H-3 (0-6")	124	112
880-22952-4	H-4 (0-6")	104	96
880-22952-5	H-5 (0-6")	111	103
LCS 880-42325/2-A	Lab Control Sample	122	113
LCSD 880-42325/3-A	Lab Control Sample Dup	105	112
MB 880-42325/1-A	Method Blank	144 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42718/5-A
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 42718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:34	12/28/22 12:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:34	12/28/22 12:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:34	12/28/22 12:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/22 13:34	12/28/22 12:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:34	12/28/22 12:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/22 13:34	12/28/22 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/27/22 13:34	12/28/22 12:38	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/27/22 13:34	12/28/22 12:38	1

Lab Sample ID: MB 880-42724/5-A
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 42724

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:04	12/29/22 00:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:04	12/29/22 00:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:04	12/29/22 00:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/22 14:04	12/29/22 00:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:04	12/29/22 00:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/22 14:04	12/29/22 00:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/27/22 14:04	12/29/22 00:36	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/27/22 14:04	12/29/22 00:36	1

Lab Sample ID: LCS 880-42724/1-A
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 42724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1018		mg/Kg		102	70 - 130
Toluene	0.100	0.09269		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09125		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1875		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09108		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-42724/2-A
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 42724

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09175		mg/Kg		92	70 - 130	10	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-42724/2-A
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 42724

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Toluene	0.100	0.08529		mg/Kg		85	70 - 130	8	35	
Ethylbenzene	0.100	0.08200		mg/Kg		82	70 - 130	11	35	
m-Xylene & p-Xylene	0.200	0.1694		mg/Kg		85	70 - 130	10	35	
o-Xylene	0.100	0.08393		mg/Kg		84	70 - 130	8	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	99		70 - 130							
1,4-Difluorobenzene (Surr)	108		70 - 130							

Lab Sample ID: 880-22914-A-1-B MS
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 42724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F2 F1	0.101	0.03759	F1	mg/Kg		37	70 - 130		
Toluene	<0.00201	U F2 F1	0.101	0.03465	F1	mg/Kg		34	70 - 130		
Ethylbenzene	<0.00201	U F2 F1	0.101	0.03505	F1	mg/Kg		35	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.202	0.07396	F1	mg/Kg		37	70 - 130		
o-Xylene	<0.00201	U F2 F1	0.101	0.03896	F1	mg/Kg		39	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	103		70 - 130								

Lab Sample ID: 880-22914-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 42777

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 42724

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F2 F1	0.0990	0.05892	F2 F1	mg/Kg		60	70 - 130	44	35
Toluene	<0.00201	U F2 F1	0.0990	0.05349	F2 F1	mg/Kg		54	70 - 130	43	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.05150	F2 F1	mg/Kg		52	70 - 130	38	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.198	0.1100	F2 F1	mg/Kg		56	70 - 130	39	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.05686	F2 F1	mg/Kg		57	70 - 130	37	35
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	108		70 - 130								

Lab Sample ID: MB 880-42784/5-A
 Matrix: Solid
 Analysis Batch: 42793

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 42784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 14:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 14:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 14:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/22 09:58	12/28/22 14:39	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-42784/5-A

Matrix: Solid

Analysis Batch: 42793

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42784

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 09:58	12/28/22 14:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/22 09:58	12/28/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				12/28/22 09:58	12/28/22 14:39	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/28/22 09:58	12/28/22 14:39	1

Lab Sample ID: LCS 880-42784/1-A

Matrix: Solid

Analysis Batch: 42793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42784

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1015		mg/Kg		102	70 - 130
Toluene	0.100	0.09584		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.08910		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09670		mg/Kg		97	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	104		70 - 130				
1,4-Difluorobenzene (Surr)	96		70 - 130				

Lab Sample ID: LCSD 880-42784/2-A

Matrix: Solid

Analysis Batch: 42793

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42784

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	4	35
Toluene	0.100	0.09470		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.08340		mg/Kg		83	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1792		mg/Kg		90	70 - 130	7	35
o-Xylene	0.100	0.08963		mg/Kg		90	70 - 130	8	35
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	93		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 890-3666-A-21-D MS

Matrix: Solid

Analysis Batch: 42793

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42784

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.0998	0.1073		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.0998	0.09585		mg/Kg		96	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.08927		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1940		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09813		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-3666-A-21-D MS
 Matrix: Solid
 Analysis Batch: 42793

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 42784

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-3666-A-21-E MSD
 Matrix: Solid
 Analysis Batch: 42793

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 42784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00200	U	0.0990	0.08438		mg/Kg		85	70 - 130	24	35	
Toluene	<0.00200	U	0.0990	0.08217		mg/Kg		83	70 - 130	15	35	
Ethylbenzene	<0.00200	U	0.0990	0.07849		mg/Kg		79	70 - 130	13	35	
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1709		mg/Kg		86	70 - 130	13	35	
o-Xylene	<0.00200	U	0.0990	0.08796		mg/Kg		89	70 - 130	11	35	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

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

Lab Sample ID: MB 880-42325/1-A
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 20:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 20:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	12/20/22 15:14	12/21/22 20:40	1
o-Terphenyl	144	S1+	70 - 130	12/20/22 15:14	12/21/22 20:40	1

Lab Sample ID: LCS 880-42325/2-A
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	970.2		mg/Kg		97	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	113		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-42325/3-A
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130	7	20	
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130	2	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	105		70 - 130							
o-Terphenyl	112		70 - 130							

Lab Sample ID: 880-22952-1 MS
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	841.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1178		mg/Kg		118	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	105		70 - 130								

Lab Sample ID: 880-22952-1 MSD
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	1132	F2	mg/Kg		114	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1138		mg/Kg		114	70 - 130	4	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	135	S1+	70 - 130								
o-Terphenyl	102		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42370/1-A
 Matrix: Solid
 Analysis Batch: 42476

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			12/21/22 18:44	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-42370/2-A
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.9		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-42370/3-A
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.5		mg/Kg		101	90 - 110	6	20

Lab Sample ID: 880-22952-1 MS
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: H-1 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.00	U	250	266.4		mg/Kg		106	90 - 110

Lab Sample ID: 880-22952-1 MSD
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: H-1 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.00	U	250	267.6		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 42718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42718/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Total/NA	Solid	5035	
880-22952-2	H-2 (0-6")	Total/NA	Solid	5035	
MB 880-42724/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42724/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42724/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22914-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-22914-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 42777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Total/NA	Solid	8021B	42724
880-22952-2	H-2 (0-6")	Total/NA	Solid	8021B	42724
MB 880-42718/5-A	Method Blank	Total/NA	Solid	8021B	42718
MB 880-42724/5-A	Method Blank	Total/NA	Solid	8021B	42724
LCS 880-42724/1-A	Lab Control Sample	Total/NA	Solid	8021B	42724
LCSD 880-42724/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42724
880-22914-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	42724
880-22914-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42724

Prep Batch: 42784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-3	H-3 (0-6")	Total/NA	Solid	5035	
880-22952-4	H-4 (0-6")	Total/NA	Solid	5035	
880-22952-5	H-5 (0-6")	Total/NA	Solid	5035	
MB 880-42784/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42784/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42784/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3666-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3666-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 42793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-3	H-3 (0-6")	Total/NA	Solid	8021B	42784
880-22952-4	H-4 (0-6")	Total/NA	Solid	8021B	42784
880-22952-5	H-5 (0-6")	Total/NA	Solid	8021B	42784
MB 880-42784/5-A	Method Blank	Total/NA	Solid	8021B	42784
LCS 880-42784/1-A	Lab Control Sample	Total/NA	Solid	8021B	42784
LCSD 880-42784/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42784
890-3666-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	42784
890-3666-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42784

Analysis Batch: 42845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-22952-2	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-22952-3	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-22952-4	H-4 (0-6")	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 42845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-5	H-5 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-22952-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-22952-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-22952-4	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-22952-5	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-42325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22952-1 MS	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-22952-1 MSD	H-1 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Total/NA	Solid	8015B NM	42325
880-22952-2	H-2 (0-6")	Total/NA	Solid	8015B NM	42325
880-22952-3	H-3 (0-6")	Total/NA	Solid	8015B NM	42325
880-22952-4	H-4 (0-6")	Total/NA	Solid	8015B NM	42325
880-22952-5	H-5 (0-6")	Total/NA	Solid	8015B NM	42325
MB 880-42325/1-A	Method Blank	Total/NA	Solid	8015B NM	42325
LCS 880-42325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42325
LCSD 880-42325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42325
880-22952-1 MS	H-1 (0-6")	Total/NA	Solid	8015B NM	42325
880-22952-1 MSD	H-1 (0-6")	Total/NA	Solid	8015B NM	42325

Analysis Batch: 42491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-22952-2	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-22952-3	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-22952-4	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-22952-5	H-5 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-22952-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-22952-3	H-3 (0-6")	Soluble	Solid	DI Leach	
880-22952-4	H-4 (0-6")	Soluble	Solid	DI Leach	
880-22952-5	H-5 (0-6")	Soluble	Solid	DI Leach	
MB 880-42370/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42370/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42370/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22952-1 MS	H-1 (0-6")	Soluble	Solid	DI Leach	
880-22952-1 MSD	H-1 (0-6")	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 42476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22952-1	H-1 (0-6")	Soluble	Solid	300.0	42370
880-22952-2	H-2 (0-6")	Soluble	Solid	300.0	42370
880-22952-3	H-3 (0-6")	Soluble	Solid	300.0	42370
880-22952-4	H-4 (0-6")	Soluble	Solid	300.0	42370
880-22952-5	H-5 (0-6")	Soluble	Solid	300.0	42370
MB 880-42370/1-A	Method Blank	Soluble	Solid	300.0	42370
LCS 880-42370/2-A	Lab Control Sample	Soluble	Solid	300.0	42370
LCSD 880-42370/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42370
880-22952-1 MS	H-1 (0-6")	Soluble	Solid	300.0	42370
880-22952-1 MSD	H-1 (0-6")	Soluble	Solid	300.0	42370

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-22952-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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	42724	12/27/22 14:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42777	12/29/22 07:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42845	12/29/22 11:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42491	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/21/22 21:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/22/22 10:57	CH	EET MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-22952-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42724	12/27/22 14:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42777	12/29/22 07:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42845	12/29/22 11:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42491	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/21/22 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/22/22 11:06	CH	EET MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22952-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42784	12/28/22 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42793	12/28/22 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42845	12/29/22 09:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42491	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/21/22 23:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 19:38	CH	EET MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22952-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42784	12/28/22 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42793	12/28/22 22:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42845	12/29/22 09:31	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22952-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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			42491	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/21/22 23:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/22/22 11:15	CH	EET MID

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-22952-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42784	12/28/22 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42793	12/28/22 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42845	12/29/22 09:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42491	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/21/22 23:58	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 19:53	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
 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	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22952-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22952-1	H-1 (0-6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22952-2	H-2 (0-6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22952-3	H-3 (0-6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22952-4	H-4 (0-6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22952-5	H-5 (0-6")	Solid	12/19/22 00:00	12/20/22 14:04

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22952-1
SDG Number: Eddy County, New Mexico

Login Number: 22952

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
 Carmona Resources
 310 W Wall St
 Ste 415
 Midland, Texas 79701

Generated 12/29/2022 1:21:09 PM

JOB DESCRIPTION

Dump Yard 2 State 001H (12.05.22)
 SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22953-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

Authorization



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12/29/2022 1:21:09 PM

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

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Laboratory Job ID: 880-22953-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
SDG: Eddy County, New Mexico

Job ID: 880-22953-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-22953-1****Receipt**

The samples were received on 12/20/2022 2:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-22953-1), S-1 (6") (880-22953-2), S-1 (1') (880-22953-3), S-2 (0-3") (880-22953-4), S-2 (6") (880-22953-5), S-2 (1') (880-22953-6), S-3 (0-3") (880-22953-7), S-3 (6") (880-22953-8), S-3 (1') (880-22953-9), S-4 (0-3") (880-22953-10), S-4 (6") (880-22953-11), S-4 (1') (880-22953-12), S-5 (0-3") (880-22953-13), S-5 (6") (880-22953-14) and S-5 (1') (880-22953-15).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42722 and analytical batch 880-42792 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-4 (0-3") (880-22953-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-42325 and analytical batch 880-42361 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-22952-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-42325 and analytical batch 880-42361 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

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



Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-22953-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		12/27/22 13:56	12/28/22 15:08	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		12/27/22 13:56	12/28/22 15:08	1
Ethylbenzene	<0.00202	U F1 F2	0.00202		mg/Kg		12/27/22 13:56	12/28/22 15:08	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403		mg/Kg		12/27/22 13:56	12/28/22 15:08	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		12/27/22 13:56	12/28/22 15:08	1
Xylenes, Total	<0.00403	U F1	0.00403		mg/Kg		12/27/22 13:56	12/28/22 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/27/22 13:56	12/28/22 15:08	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/27/22 13:56	12/28/22 15:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/28/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2230		50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 00:19	1
Diesel Range Organics (Over C10-C28)	2230		50.0		mg/Kg		12/20/22 15:14	12/22/22 00:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 00:19	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	121		70 - 130	12/20/22 15:14	12/22/22 00:19	1			
o-Terphenyl	110		70 - 130	12/20/22 15:14	12/22/22 00:19	1			

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.57		5.03		mg/Kg			12/21/22 20:17	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-22953-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 15:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 15:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 15:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 13:56	12/28/22 15:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 15:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 13:56	12/28/22 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/27/22 13:56	12/28/22 15:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/27/22 13:56	12/28/22 15:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (6")

Lab Sample ID: 880-22953-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/28/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1130		49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 00:40	1
Diesel Range Organics (Over C10-C28)	1130		49.9		mg/Kg		12/20/22 15:14	12/22/22 00:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/20/22 15:14	12/22/22 00:40	1
o-Terphenyl	97		70 - 130				12/20/22 15:14	12/22/22 00:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.96		5.01		mg/Kg			12/22/22 11:23	1

Client Sample ID: S-1 (1')

Lab Sample ID: 880-22953-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 15:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 15:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 15:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 15:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 15:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/27/22 13:56	12/28/22 15:50	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/27/22 13:56	12/28/22 15:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/28/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 01:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 01:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1')

Lab Sample ID: 880-22953-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/20/22 15:14	12/22/22 01:01	1
o-Terphenyl	100		70 - 130				12/20/22 15:14	12/22/22 01:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/22/22 11:32	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-22953-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 16:31	1
Toluene	0.00295		0.00198		mg/Kg		12/27/22 13:56	12/28/22 16:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 16:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/27/22 13:56	12/28/22 16:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 16:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/27/22 13:56	12/28/22 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/27/22 13:56	12/28/22 16:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/27/22 13:56	12/28/22 16:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1130		49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 01:22	1
Diesel Range Organics (Over C10-C28)	1130		49.9		mg/Kg		12/20/22 15:14	12/22/22 01:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/20/22 15:14	12/22/22 01:22	1
o-Terphenyl	102		70 - 130				12/20/22 15:14	12/22/22 01:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/21/22 20:40	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6")

Lab Sample ID: 880-22953-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 16:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 16:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 16:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 13:56	12/28/22 16:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 16:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/22 13:56	12/28/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/27/22 13:56	12/28/22 16:52	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/27/22 13:56	12/28/22 16:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	230		49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 01:44	1
Diesel Range Organics (Over C10-C28)	230		49.9		mg/Kg		12/20/22 15:14	12/22/22 01:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/20/22 15:14	12/22/22 01:44	1
o-Terphenyl	101		70 - 130	12/20/22 15:14	12/22/22 01:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/21/22 20:47	1

Client Sample ID: S-2 (1')

Lab Sample ID: 880-22953-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 17:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 13:56	12/28/22 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 17:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 13:56	12/28/22 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	12/27/22 13:56	12/28/22 17:13	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	12/27/22 13:56	12/28/22 17:13	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1')

Lab Sample ID: 880-22953-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 02:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 02:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/20/22 15:14	12/22/22 02:27	1
o-Terphenyl	105		70 - 130				12/20/22 15:14	12/22/22 02:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/21/22 20:55	1

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22953-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/27/22 13:56	12/28/22 17:34	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/27/22 13:56	12/28/22 17:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1640		50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 02:48	1
Diesel Range Organics (Over C10-C28)	1640		50.0		mg/Kg		12/20/22 15:14	12/22/22 02:48	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22953-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				12/20/22 15:14	12/22/22 02:48	1
o-Terphenyl	111		70 - 130				12/20/22 15:14	12/22/22 02:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.83		5.05		mg/Kg			12/22/22 11:41	1

Client Sample ID: S-3 (6")

Lab Sample ID: 880-22953-8

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 17:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 17:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/27/22 13:56	12/28/22 17:54	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/27/22 13:56	12/28/22 17:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	728		49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 03:10	1
Diesel Range Organics (Over C10-C28)	728		49.9		mg/Kg		12/20/22 15:14	12/22/22 03:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 03:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/20/22 15:14	12/22/22 03:10	1
o-Terphenyl	97		70 - 130				12/20/22 15:14	12/22/22 03:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			12/21/22 21:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1')

Lab Sample ID: 880-22953-9

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 18:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 18:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 18:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 13:56	12/28/22 18:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 18:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/22 13:56	12/28/22 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	12/27/22 13:56	12/28/22 18:15	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	12/27/22 13:56	12/28/22 18:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 03:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 03:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/20/22 15:14	12/22/22 03:32	1
o-Terphenyl	95		70 - 130	12/20/22 15:14	12/22/22 03:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			12/21/22 21:49	1

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-22953-10

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	44	S1-	70 - 130	12/27/22 13:56	12/28/22 18:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/27/22 13:56	12/28/22 18:36	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-22953-10

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	563		50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 03:53	1
Diesel Range Organics (Over C10-C28)	563		50.0		mg/Kg		12/20/22 15:14	12/22/22 03:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/20/22 15:14	12/22/22 03:53	1
o-Terphenyl	93		70 - 130				12/20/22 15:14	12/22/22 03:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			12/21/22 21:57	1

Client Sample ID: S-4 (6")

Lab Sample ID: 880-22953-11

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 20:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 20:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 20:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/27/22 13:56	12/28/22 20:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/27/22 13:56	12/28/22 20:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/27/22 13:56	12/28/22 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/27/22 13:56	12/28/22 20:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/27/22 13:56	12/28/22 20:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 04:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 04:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (6")

Lab Sample ID: 880-22953-11

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/20/22 15:14	12/22/22 04:15	1
o-Terphenyl	112		70 - 130				12/20/22 15:14	12/22/22 04:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			12/21/22 22:05	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-22953-12

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 20:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 20:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 20:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 13:56	12/28/22 20:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/22 13:56	12/28/22 20:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/22 13:56	12/28/22 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				12/27/22 13:56	12/28/22 20:21	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/27/22 13:56	12/28/22 20:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 04:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/20/22 15:14	12/22/22 04:36	1
o-Terphenyl	95		70 - 130				12/20/22 15:14	12/22/22 04:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/21/22 22:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (0-3")

Lab Sample ID: 880-22953-13

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 20:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 20:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 20:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 20:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 20:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/27/22 13:56	12/28/22 20:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/27/22 13:56	12/28/22 20:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	611		49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 04:58	1
Diesel Range Organics (Over C10-C28)	611		49.9		mg/Kg		12/20/22 15:14	12/22/22 04:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 04:58	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	102		70 - 130	12/20/22 15:14	12/22/22 04:58	1			
o-Terphenyl	92		70 - 130	12/20/22 15:14	12/22/22 04:58	1			

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.64		4.97		mg/Kg			12/21/22 22:20	1

Client Sample ID: S-5 (6")

Lab Sample ID: 880-22953-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 21:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 21:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 21:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 21:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 13:56	12/28/22 21:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 13:56	12/28/22 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/27/22 13:56	12/28/22 21:03	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/27/22 13:56	12/28/22 21:03	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-5 (6")

Lab Sample ID: 880-22953-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 05:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 05:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/22/22 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/20/22 15:14	12/22/22 05:20	1
o-Terphenyl	96		70 - 130				12/20/22 15:14	12/22/22 05:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			12/21/22 22:28	1

Client Sample ID: S-5 (1')

Lab Sample ID: 880-22953-15

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 21:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 21:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 21:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 13:56	12/28/22 21:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 21:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 13:56	12/28/22 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/27/22 13:56	12/28/22 21:23	1
1,4-Difluorobenzene (Surr)	75		70 - 130				12/27/22 13:56	12/28/22 21:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 10:46	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		12/20/22 15:14	12/22/22 05:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 05:41	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-5 (1')

Lab Sample ID: 880-22953-15

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:14	12/22/22 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/20/22 15:14	12/22/22 05:41	1
o-Terphenyl	107		70 - 130				12/20/22 15:14	12/22/22 05:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			12/21/22 22:36	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-22953-1	S-1 (0-3")	110	76
880-22953-1 MS	S-1 (0-3")	109	84
880-22953-1 MSD	S-1 (0-3")	109	95
880-22953-2	S-1 (6")	118	93
880-22953-3	S-1 (1')	116	103
880-22953-4	S-2 (0-3")	123	98
880-22953-5	S-2 (6")	109	103
880-22953-6	S-2 (1')	70	69 S1-
880-22953-7	S-3 (0-3")	110	106
880-22953-8	S-3 (6")	110	104
880-22953-9	S-3 (1')	73	65 S1-
880-22953-10	S-4 (0-3")	44 S1-	91
880-22953-11	S-4 (6")	104	94
880-22953-12	S-4 (1')	120	73
880-22953-13	S-5 (0-3")	118	100
880-22953-14	S-5 (6")	121	83
880-22953-15	S-5 (1')	123	75
LCS 880-42722/1-A	Lab Control Sample	93	96
LCSD 880-42722/2-A	Lab Control Sample Dup	92	96
MB 880-42722/5-A	Method Blank	95	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-22952-A-1-B MS	Matrix Spike	123	105
880-22952-A-1-C MSD	Matrix Spike Duplicate	135 S1+	102
880-22953-1	S-1 (0-3")	121	110
880-22953-2	S-1 (6")	105	97
880-22953-3	S-1 (1')	104	100
880-22953-4	S-2 (0-3")	109	102
880-22953-5	S-2 (6")	107	101
880-22953-6	S-2 (1')	114	105
880-22953-7	S-3 (0-3")	117	111
880-22953-8	S-3 (6")	104	97
880-22953-9	S-3 (1')	102	95
880-22953-10	S-4 (0-3")	101	93
880-22953-11	S-4 (6")	121	112
880-22953-12	S-4 (1')	101	95
880-22953-13	S-5 (0-3")	102	92
880-22953-14	S-5 (6")	102	96
880-22953-15	S-5 (1')	115	107
LCS 880-42325/2-A	Lab Control Sample	122	113
LCSD 880-42325/3-A	Lab Control Sample Dup	105	112

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-22953-1

Project/Site: Dump Yard 2 State 001H (12.05.22)

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)
MB 880-42325/1-A	Method Blank	144 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42722/5-A
 Matrix: Solid
 Analysis Batch: 42792

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 42722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 14:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/22 13:56	12/28/22 14:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 13:56	12/28/22 14:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/22 13:56	12/28/22 14:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/27/22 13:56	12/28/22 14:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/27/22 13:56	12/28/22 14:46	1

Lab Sample ID: LCS 880-42722/1-A
 Matrix: Solid
 Analysis Batch: 42792

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 42722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1134		mg/Kg		113	70 - 130
Toluene	0.100	0.1064		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09687		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2100		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1027		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-42722/2-A
 Matrix: Solid
 Analysis Batch: 42792

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 42722

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1002		mg/Kg		100	70 - 130	12	35
Toluene	0.100	0.09564		mg/Kg		96	70 - 130	11	35
Ethylbenzene	0.100	0.08596		mg/Kg		86	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1874		mg/Kg		94	70 - 130	11	35
o-Xylene	0.100	0.09250		mg/Kg		93	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-22953-1 MS
 Matrix: Solid
 Analysis Batch: 42792

Client Sample ID: S-1 (0-3")
 Prep Type: Total/NA
 Prep Batch: 42722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.100	0.05676	F1	mg/Kg		56	70 - 130
Toluene	<0.00202	U F1	0.100	0.07084	F1	mg/Kg		69	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22953-1 MS
 Matrix: Solid
 Analysis Batch: 42792

Client Sample ID: S-1 (0-3")
 Prep Type: Total/NA
 Prep Batch: 42722

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00202	U F1 F2	0.100	0.07328		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1456		mg/Kg		72	70 - 130
o-Xylene	<0.00202	U F1	0.100	0.07070		mg/Kg		70	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-22953-1 MSD
 Matrix: Solid
 Analysis Batch: 42792

Client Sample ID: S-1 (0-3")
 Prep Type: Total/NA
 Prep Batch: 42722

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00202	U F1	0.0990	0.07523		mg/Kg		75	70 - 130	28		35
Toluene	<0.00202	U F1	0.0990	0.07007	F1	mg/Kg		69	70 - 130	1		35
Ethylbenzene	<0.00202	U F1 F2	0.0990	0.02633	F1 F2	mg/Kg		26	70 - 130	94		35
m-Xylene & p-Xylene	<0.00403	U F1	0.198	0.1340	F1	mg/Kg		67	70 - 130	8		35
o-Xylene	<0.00202	U F1	0.0990	0.06656	F1	mg/Kg		67	70 - 130	6		35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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

Lab Sample ID: MB 880-42325/1-A
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 20:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:14	12/21/22 20:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	144	S1+	70 - 130	12/20/22 15:14	12/21/22 20:40	1
o-Terphenyl	144	S1+	70 - 130	12/20/22 15:14	12/21/22 20:40	1

Lab Sample ID: LCS 880-42325/2-A
 Matrix: Solid
 Analysis Batch: 42361

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 42325

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	970.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-42325/2-A
Matrix: Solid
Analysis Batch: 42361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42325

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-42325/3-A
Matrix: Solid
Analysis Batch: 42361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42325

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130	7		20
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130	2		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	105		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-22952-A-1-B MS
Matrix: Solid
Analysis Batch: 42361

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 42325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	841.5		mg/Kg		84	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1178		mg/Kg		118	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	123		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-22952-A-1-C MSD
Matrix: Solid
Analysis Batch: 42361

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 42325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	1132	F2	mg/Kg		114	70 - 130	29		20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1138		mg/Kg		114	70 - 130	4		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42370/1-A
 Matrix: Solid
 Analysis Batch: 42476

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			12/21/22 18:44	1

Lab Sample ID: LCS 880-42370/2-A
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.9		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-42370/3-A
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.5		mg/Kg		101	90 - 110	6	20

Lab Sample ID: 880-22953-6 MS
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: S-2 (1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.95	U	248	261.9		mg/Kg		106	90 - 110

Lab Sample ID: 880-22953-6 MSD
 Matrix: Solid
 Analysis Batch: 42476

Client Sample ID: S-2 (1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.95	U	248	253.0		mg/Kg		102	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 42722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Total/NA	Solid	5035	
880-22953-2	S-1 (6")	Total/NA	Solid	5035	
880-22953-3	S-1 (1')	Total/NA	Solid	5035	
880-22953-4	S-2 (0-3")	Total/NA	Solid	5035	
880-22953-5	S-2 (6")	Total/NA	Solid	5035	
880-22953-6	S-2 (1')	Total/NA	Solid	5035	
880-22953-7	S-3 (0-3")	Total/NA	Solid	5035	
880-22953-8	S-3 (6")	Total/NA	Solid	5035	
880-22953-9	S-3 (1')	Total/NA	Solid	5035	
880-22953-10	S-4 (0-3")	Total/NA	Solid	5035	
880-22953-11	S-4 (6")	Total/NA	Solid	5035	
880-22953-12	S-4 (1')	Total/NA	Solid	5035	
880-22953-13	S-5 (0-3")	Total/NA	Solid	5035	
880-22953-14	S-5 (6")	Total/NA	Solid	5035	
880-22953-15	S-5 (1')	Total/NA	Solid	5035	
MB 880-42722/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42722/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42722/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22953-1 MS	S-1 (0-3")	Total/NA	Solid	5035	
880-22953-1 MSD	S-1 (0-3")	Total/NA	Solid	5035	

Analysis Batch: 42792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Total/NA	Solid	8021B	42722
880-22953-2	S-1 (6")	Total/NA	Solid	8021B	42722
880-22953-3	S-1 (1')	Total/NA	Solid	8021B	42722
880-22953-4	S-2 (0-3")	Total/NA	Solid	8021B	42722
880-22953-5	S-2 (6")	Total/NA	Solid	8021B	42722
880-22953-6	S-2 (1')	Total/NA	Solid	8021B	42722
880-22953-7	S-3 (0-3")	Total/NA	Solid	8021B	42722
880-22953-8	S-3 (6")	Total/NA	Solid	8021B	42722
880-22953-9	S-3 (1')	Total/NA	Solid	8021B	42722
880-22953-10	S-4 (0-3")	Total/NA	Solid	8021B	42722
880-22953-11	S-4 (6")	Total/NA	Solid	8021B	42722
880-22953-12	S-4 (1')	Total/NA	Solid	8021B	42722
880-22953-13	S-5 (0-3")	Total/NA	Solid	8021B	42722
880-22953-14	S-5 (6")	Total/NA	Solid	8021B	42722
880-22953-15	S-5 (1')	Total/NA	Solid	8021B	42722
MB 880-42722/5-A	Method Blank	Total/NA	Solid	8021B	42722
LCS 880-42722/1-A	Lab Control Sample	Total/NA	Solid	8021B	42722
LCSD 880-42722/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42722
880-22953-1 MS	S-1 (0-3")	Total/NA	Solid	8021B	42722
880-22953-1 MSD	S-1 (0-3")	Total/NA	Solid	8021B	42722

Analysis Batch: 42826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-22953-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-22953-3	S-1 (1')	Total/NA	Solid	Total BTEX	
880-22953-4	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-22953-5	S-2 (6")	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 42826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-6	S-2 (1')	Total/NA	Solid	Total BTEX	
880-22953-7	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-22953-8	S-3 (6")	Total/NA	Solid	Total BTEX	
880-22953-9	S-3 (1')	Total/NA	Solid	Total BTEX	
880-22953-10	S-4 (0-3")	Total/NA	Solid	Total BTEX	
880-22953-11	S-4 (6")	Total/NA	Solid	Total BTEX	
880-22953-12	S-4 (1')	Total/NA	Solid	Total BTEX	
880-22953-13	S-5 (0-3")	Total/NA	Solid	Total BTEX	
880-22953-14	S-5 (6")	Total/NA	Solid	Total BTEX	
880-22953-15	S-5 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-22953-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-22953-3	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-22953-4	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-22953-5	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-22953-6	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-22953-7	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-22953-8	S-3 (6")	Total/NA	Solid	8015NM Prep	
880-22953-9	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-22953-10	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-22953-11	S-4 (6")	Total/NA	Solid	8015NM Prep	
880-22953-12	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-22953-13	S-5 (0-3")	Total/NA	Solid	8015NM Prep	
880-22953-14	S-5 (6")	Total/NA	Solid	8015NM Prep	
880-22953-15	S-5 (1')	Total/NA	Solid	8015NM Prep	
MB 880-42325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-42325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22952-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22952-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Total/NA	Solid	8015B NM	42325
880-22953-2	S-1 (6")	Total/NA	Solid	8015B NM	42325
880-22953-3	S-1 (1')	Total/NA	Solid	8015B NM	42325
880-22953-4	S-2 (0-3")	Total/NA	Solid	8015B NM	42325
880-22953-5	S-2 (6")	Total/NA	Solid	8015B NM	42325
880-22953-6	S-2 (1')	Total/NA	Solid	8015B NM	42325
880-22953-7	S-3 (0-3")	Total/NA	Solid	8015B NM	42325
880-22953-8	S-3 (6")	Total/NA	Solid	8015B NM	42325
880-22953-9	S-3 (1')	Total/NA	Solid	8015B NM	42325
880-22953-10	S-4 (0-3")	Total/NA	Solid	8015B NM	42325
880-22953-11	S-4 (6")	Total/NA	Solid	8015B NM	42325
880-22953-12	S-4 (1')	Total/NA	Solid	8015B NM	42325
880-22953-13	S-5 (0-3")	Total/NA	Solid	8015B NM	42325

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 42361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-14	S-5 (6")	Total/NA	Solid	8015B NM	42325
880-22953-15	S-5 (1')	Total/NA	Solid	8015B NM	42325
MB 880-42325/1-A	Method Blank	Total/NA	Solid	8015B NM	42325
LCS 880-42325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42325
LCSD 880-42325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42325
880-22952-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	42325
880-22952-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	42325

Analysis Batch: 42492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-22953-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-22953-3	S-1 (1')	Total/NA	Solid	8015 NM	
880-22953-4	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-22953-5	S-2 (6")	Total/NA	Solid	8015 NM	
880-22953-6	S-2 (1')	Total/NA	Solid	8015 NM	
880-22953-7	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-22953-8	S-3 (6")	Total/NA	Solid	8015 NM	
880-22953-9	S-3 (1')	Total/NA	Solid	8015 NM	
880-22953-10	S-4 (0-3")	Total/NA	Solid	8015 NM	
880-22953-11	S-4 (6")	Total/NA	Solid	8015 NM	
880-22953-12	S-4 (1')	Total/NA	Solid	8015 NM	
880-22953-13	S-5 (0-3")	Total/NA	Solid	8015 NM	
880-22953-14	S-5 (6")	Total/NA	Solid	8015 NM	
880-22953-15	S-5 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-22953-2	S-1 (6")	Soluble	Solid	DI Leach	
880-22953-3	S-1 (1')	Soluble	Solid	DI Leach	
880-22953-4	S-2 (0-3")	Soluble	Solid	DI Leach	
880-22953-5	S-2 (6")	Soluble	Solid	DI Leach	
880-22953-6	S-2 (1')	Soluble	Solid	DI Leach	
880-22953-7	S-3 (0-3")	Soluble	Solid	DI Leach	
880-22953-8	S-3 (6")	Soluble	Solid	DI Leach	
880-22953-9	S-3 (1')	Soluble	Solid	DI Leach	
880-22953-10	S-4 (0-3")	Soluble	Solid	DI Leach	
880-22953-11	S-4 (6")	Soluble	Solid	DI Leach	
880-22953-12	S-4 (1')	Soluble	Solid	DI Leach	
880-22953-13	S-5 (0-3")	Soluble	Solid	DI Leach	
880-22953-14	S-5 (6")	Soluble	Solid	DI Leach	
880-22953-15	S-5 (1')	Soluble	Solid	DI Leach	
MB 880-42370/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42370/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42370/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22953-6 MS	S-2 (1')	Soluble	Solid	DI Leach	
880-22953-6 MSD	S-2 (1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 42476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22953-1	S-1 (0-3")	Soluble	Solid	300.0	42370
880-22953-2	S-1 (6")	Soluble	Solid	300.0	42370
880-22953-3	S-1 (1')	Soluble	Solid	300.0	42370
880-22953-4	S-2 (0-3")	Soluble	Solid	300.0	42370
880-22953-5	S-2 (6")	Soluble	Solid	300.0	42370
880-22953-6	S-2 (1')	Soluble	Solid	300.0	42370
880-22953-7	S-3 (0-3")	Soluble	Solid	300.0	42370
880-22953-8	S-3 (6")	Soluble	Solid	300.0	42370
880-22953-9	S-3 (1')	Soluble	Solid	300.0	42370
880-22953-10	S-4 (0-3")	Soluble	Solid	300.0	42370
880-22953-11	S-4 (6")	Soluble	Solid	300.0	42370
880-22953-12	S-4 (1')	Soluble	Solid	300.0	42370
880-22953-13	S-5 (0-3")	Soluble	Solid	300.0	42370
880-22953-14	S-5 (6")	Soluble	Solid	300.0	42370
880-22953-15	S-5 (1')	Soluble	Solid	300.0	42370
MB 880-42370/1-A	Method Blank	Soluble	Solid	300.0	42370
LCS 880-42370/2-A	Lab Control Sample	Soluble	Solid	300.0	42370
LCSD 880-42370/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42370
880-22953-6 MS	S-2 (1')	Soluble	Solid	300.0	42370
880-22953-6 MSD	S-2 (1')	Soluble	Solid	300.0	42370

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-22953-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/28/22 16:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 00:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 20:17	CH	EET MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-22953-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/28/22 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 00:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/22/22 11:23	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-22953-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 15:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/28/22 16:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 01:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/22/22 11:32	CH	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-22953-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 16:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-22953-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 01:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 20:40	CH	EET MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-22953-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 16:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 01:44	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 20:47	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-22953-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 17:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 02:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 20:55	CH	EET MID

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22953-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 02:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22953-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/22/22 11:41	CH	EET MID

Client Sample ID: S-3 (6")

Lab Sample ID: 880-22953-8

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 17:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 03:10	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 21:26	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-22953-9

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 18:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 03:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 21:49	CH	EET MID

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-22953-10

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 03:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 21:57	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-4 (6")

Lab Sample ID: 880-22953-11

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 04:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 22:05	CH	EET MID

Client Sample ID: S-4 (1')

Lab Sample ID: 880-22953-12

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 20:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 04:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 22:13	CH	EET MID

Client Sample ID: S-5 (0-3")

Lab Sample ID: 880-22953-13

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 20:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 04:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 22:20	CH	EET MID

Client Sample ID: S-5 (6")

Lab Sample ID: 880-22953-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 21:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 SDG: Eddy County, New Mexico

Client Sample ID: S-5 (6")

Lab Sample ID: 880-22953-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 05:20	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 22:28	CH	EET MID

Client Sample ID: S-5 (1')

Lab Sample ID: 880-22953-15

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep 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	42722	12/27/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/28/22 21:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42826	12/29/22 11:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			42492	12/22/22 10:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42325	12/20/22 15:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42361	12/22/22 05:41	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42370	12/21/22 08:44	KS	EET MID
Soluble	Analysis	300.0		1			42476	12/21/22 22:36	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
 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	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 001H (12.05.22)

Job ID: 880-22953-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22953-1	S-1 (0-3")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-2	S-1 (6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-3	S-1 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-4	S-2 (0-3")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-5	S-2 (6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-6	S-2 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-7	S-3 (0-3")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-8	S-3 (6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-9	S-3 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-10	S-4 (0-3")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-11	S-4 (6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-12	S-4 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-13	S-5 (0-3")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-14	S-5 (6")	Solid	12/19/22 00:00	12/20/22 14:04
880-22953-15	S-5 (1')	Solid	12/19/22 00:00	12/20/22 14:04

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Project Manager	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88258
Phone:	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order No: 22953

Page 1 of 2

Work Order Comments

Program: UST/ST PRP Rowfields RC Spurfund

State of Project:

Reporting Level II Level III ST/UST RRP Level IV

Deliverables: EDD ADAPT Other

Project Name	Project Number	Project Location	Sampler's Name	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	48 Hrs	BTEX 8021B		TPH 8015M (GRO + DRO + MRO)
Dump Yard 2 State 001H (12 05 22)	1208	Eddy County, New Mexico	CCM		<input type="checkbox"/> Wet/ice	<input checked="" type="checkbox"/> Yes						
SAMPLE RECEIPT					Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID					
Received In tact:					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor						
Cooler Custody Seals					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading						
Sample Custody Seals					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature						
Total Containers												
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont				Sample Comments		
S-1 (0-3")	12/19/2022		X		G	1	X	X	X			
S-1 (6")	12/19/2022		X		G	1	X	X	X			
S-1 (1')	12/19/2022		X		G	1	X	X	X			
S-2 (0-3")	12/19/2022		X		G	1	X	X	X			
S-2 (6")	12/19/2022		X		G	1	X	X	X			
S-2 (1')	12/19/2022		X		G	1	X	X	X			
S-3 (0-3")	12/19/2022		X		G	1	X	X	X			
S-3 (6")	12/19/2022		X		G	1	X	X	X			
S-3 (1')	12/19/2022		X		G	1	X	X	X			
S-4 (0-3")	12/19/2022		X		G	1	X	X	X			

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com



Sample Comments
402

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>[Signature]</i>	12/20/22	<i>[Signature]</i>	1/4/23

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Work Order No: 22953

Page 2 of 2



Project Manager	Clinton Merritt	Bill to: (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Spurfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Project Name	Project Number	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	48 Hrs	BTEX 8021B	
Dump Yard 2 State 001H (12 05 22)	1208							
Project Location	Eddy County, New Mexico							
Sampler's Name	CCM							
PO #:								
SAMPLE RECEIPT	Temp Blank	Yes	No	Thermometer ID				
Received Intact:	Yes	No	N/A	Correction Factor				
Cooler Custody Seals	Yes	No	N/A	Temperature Reading				
Sample Custody Seals	Yes	No	N/A	Corrected Temperature				
Total Containers								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments	
S-4 (6")	12/19/2022		X		G	1		
S-4 (1")	12/19/2022		X		G	1		
S-5 (0-3")	12/19/2022		X		G	1		
S-5 (6")	12/19/2022		X		G	1		
S-5 (1")	12/19/2022		X		G	1		

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Loc: 880
22953

Relinquished by (Signature)		Date/Time	
		12/20/22	
		1404	
Received by (Signature)			
			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22953-1
SDG Number: Eddy County, New Mexico

Login Number: 22953

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

February 20, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: DUMP YARD 2 STATE 001H

Enclosed are the results of analyses for samples received by the laboratory on 02/17/23 9:45.

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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 1 (0.5') (H230755-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.403	
Toluene*	<0.050	0.050	02/17/2023	ND	2.17	108	2.00	1.23	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.13	107	2.00	1.18	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.58	110	6.00	1.14	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 2 (0.5') (H230755-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 3 (0.5') (H230755-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (0.5') (H230755-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 5 (0.5') (H230755-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 6 (0.5') (H230755-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 7 (1.0') (H230755-07)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 8 (1.0') (H230755-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 9 (1.0') (H230755-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 10 (1.0') (H230755-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 11 (1.0') (H230755-11)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 12 (1.0') (H230755-12)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 1 (0.5') (H230755-13)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 2 (0.5') (H230755-14)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 3 (0.5') (H230755-15)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17	
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03	
Total BTEX	<0.300	0.300	02/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 4 (0.5') (H230755-16)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 5 (1.0') (H230755-17)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	02/17/2023	Sampling Date:	02/16/2023
Reported:	02/20/2023	Sampling Type:	Soil
Project Name:	DUMP YARD 2 STATE 001H	Sampling Condition:	Cool & Intact
Project Number:	1208 (12.05.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 6 (1.0') (H230755-18)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/17/2023	ND	2.06	103	2.00	7.17		
Toluene*	<0.050	0.050	02/17/2023	ND	2.12	106	2.00	6.13		
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.10	105	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.51	109	6.00	8.03		
Total BTEX	<0.300	0.300	02/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	196	98.0	200	0.446		
DRO >C10-C28*	32.7	10.0	02/18/2023	ND	182	91.0	200	1.69		
EXT DRO >C28-C36	11.8	10.0	02/18/2023	ND						

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

CONDITIONS

Action 200129

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 200129
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2234737098 DUMP YARD 2 STATE 001H, thank you. This closure is approved.	8/14/2023