

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Dump Yard 2 State 1H (04.22.22)
Incident ID: NAPP2213027095
Eddy County, New Mexico
Unit M Sec 2 T21S R28E
32.502994°, -104.063681°

Produced Water Release
Point of Release: Poly Flowline
Release Date: 04/22/2022
Volume Released: 40 barrels of Produced Water
Volume Recovered: 0 barrels of Produced Water

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 415
Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

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June 20, 2022

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

**Re: Closure Report
Dump Yard 2 State 1H (04.22.22)
Concho Operating, LLC
Site Location: Unit M, S2, T21S, R28E
(Lat 32.502309°, Long -104.063328 °)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this document for site activities at the Dump Yard 2 State 1H (04.22.22). The site is located at 32.502309°, -104.063328 ° within Unit M, S2, T21S, R28E, 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 April 22, 2022, caused by a grass fire at a nearby surface polyline. It resulted in the release of approximately forty (40) barrels of produced water, and zero (0) barrels were recovered. The area of concern measured about 4,459' x 2', as 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 source is within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.23 miles northwest of the site in S4, T21S, R28E and was drilled in 1998. The well has a reported depth to groundwater of 70.14' 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

Initial Assessment

On May 23, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of fourteen (14) sample points (S-1 through S-14) and twenty-one (21) horizontal sample points (H-1 through H-21) were installed to total depths ranging from surface to 2.0 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of

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432.813.1992



laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3.

Vertical and horizontal delineation was achieved in all samples. The area of S-11 showed high chloride concentrations and was evaluated horizontally to capture the spill extent. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite from June 13, 2022, to supervise the remediation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 9, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-11 was excavated to a depth of 2.5' below the surface to remove all the impacted soils. A total of two (2) floor confirmation samples were collected (CS-1 and CS-2), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory 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 20 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

Clinton Merritt
Sr. Project Manager

Conner Moehring
Sr. Project Manager

FIGURES

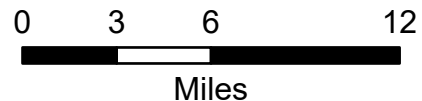
CARMONA RESOURCES



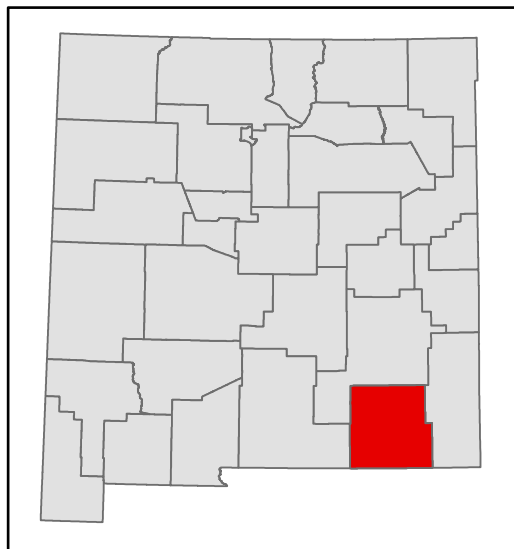
**OVERVIEW MAP
COG OPERATING**

DUMP YARD 2 STATE 1H
04/22/22

EDDY COUNTY, NEW MEXICO
32.502994°, -104.063681°



 Site Location

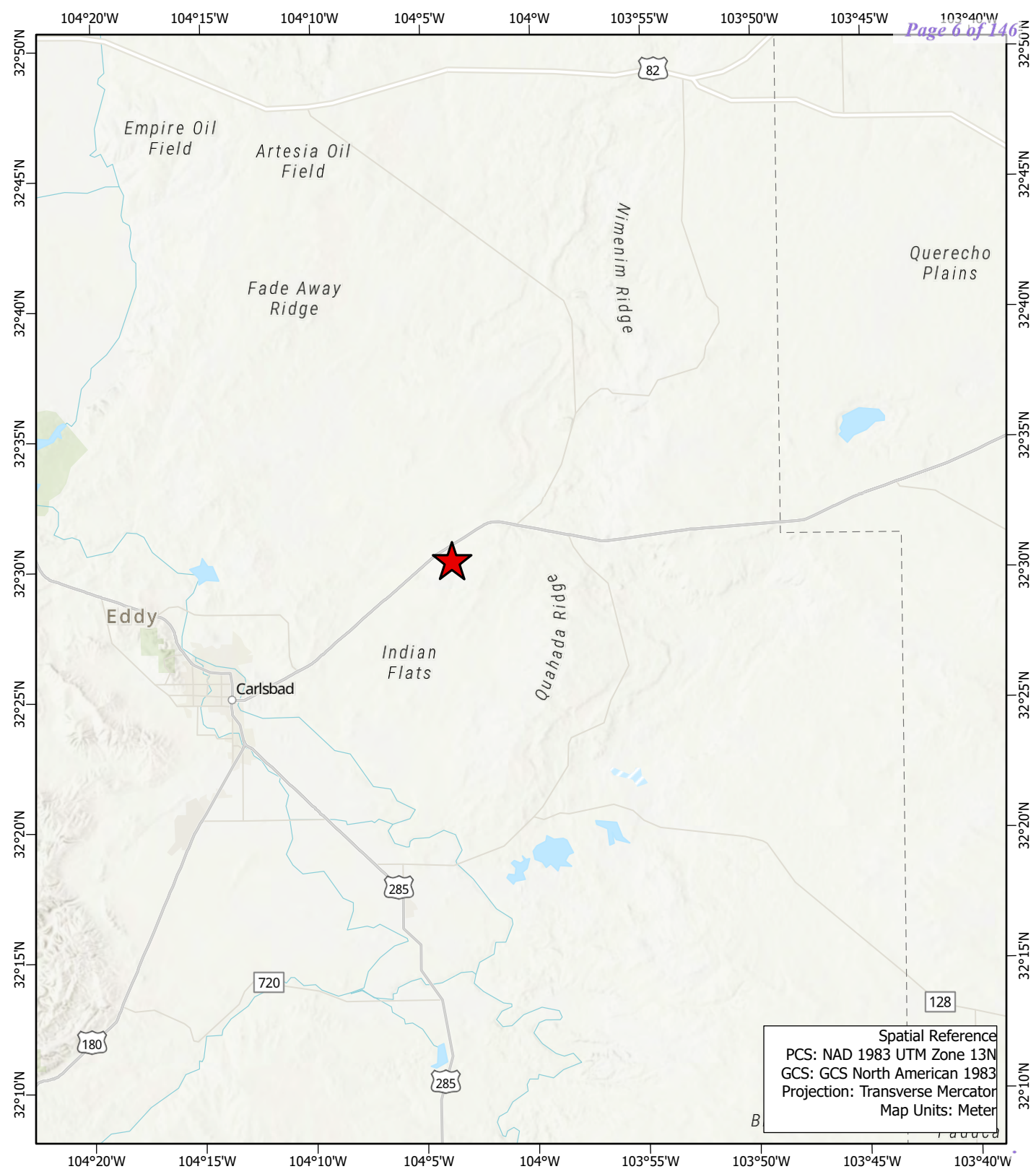


CARMONA RESOURCES



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415 Midland, Texas 79701

DRAWING NUMBER: **Figure 1**
SHEET NUMBER: **1 of 1**

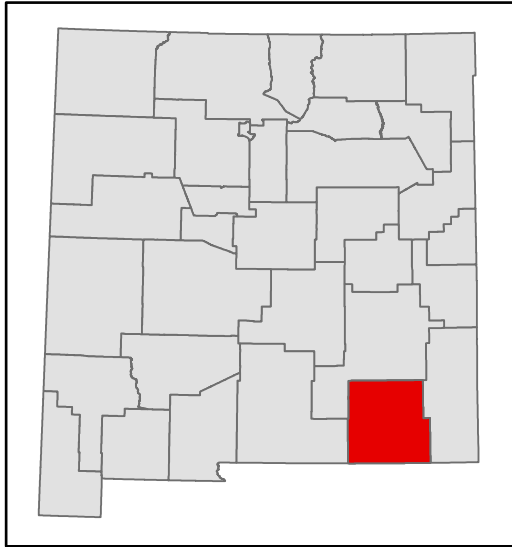


TOPOGRAPHIC MAP
COG OPERATING
DUMP YARD 2 STATE 1H
04/22/22
EDDY COUNTY, NEW MEXICO
32.502994°, -104.063681°



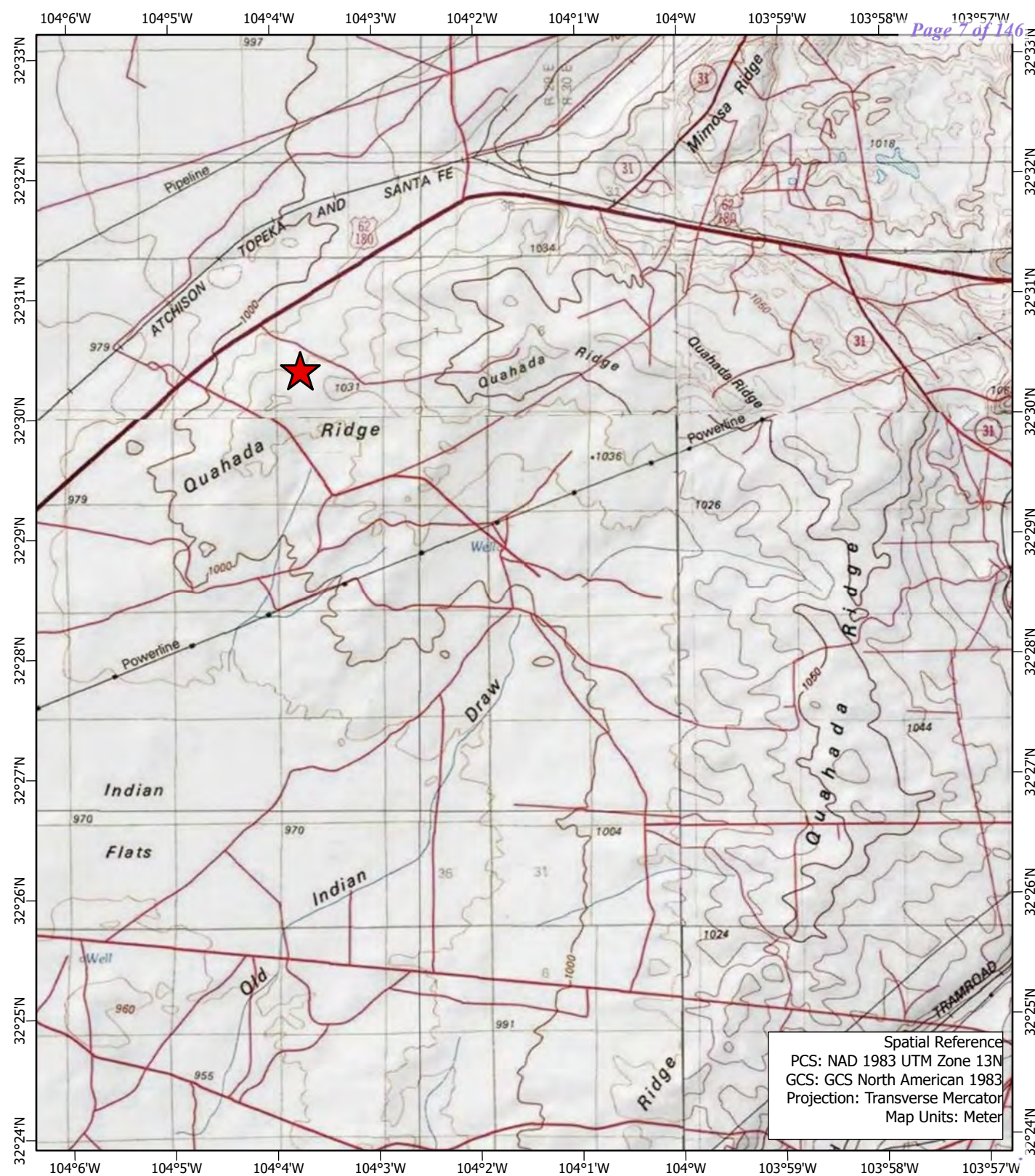
0 0.5 1 2
Miles

★ Site Location



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DRAWING NUMBER: **Figure 2**
SHEET NUMBER: **1 of 1**



SAMPLE LOCATION MAP**COG OPERATING**

DUMP YARD 2 STATE 1H

04/22/22

EDDY COUNTY, NEW MEXICO

32.502994°, -104.063681°



0 130 260 520
Feet

Legend

Sample Points

Horizontals

Surface PolyLine

Area of Concern

Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

Map Units: Meter

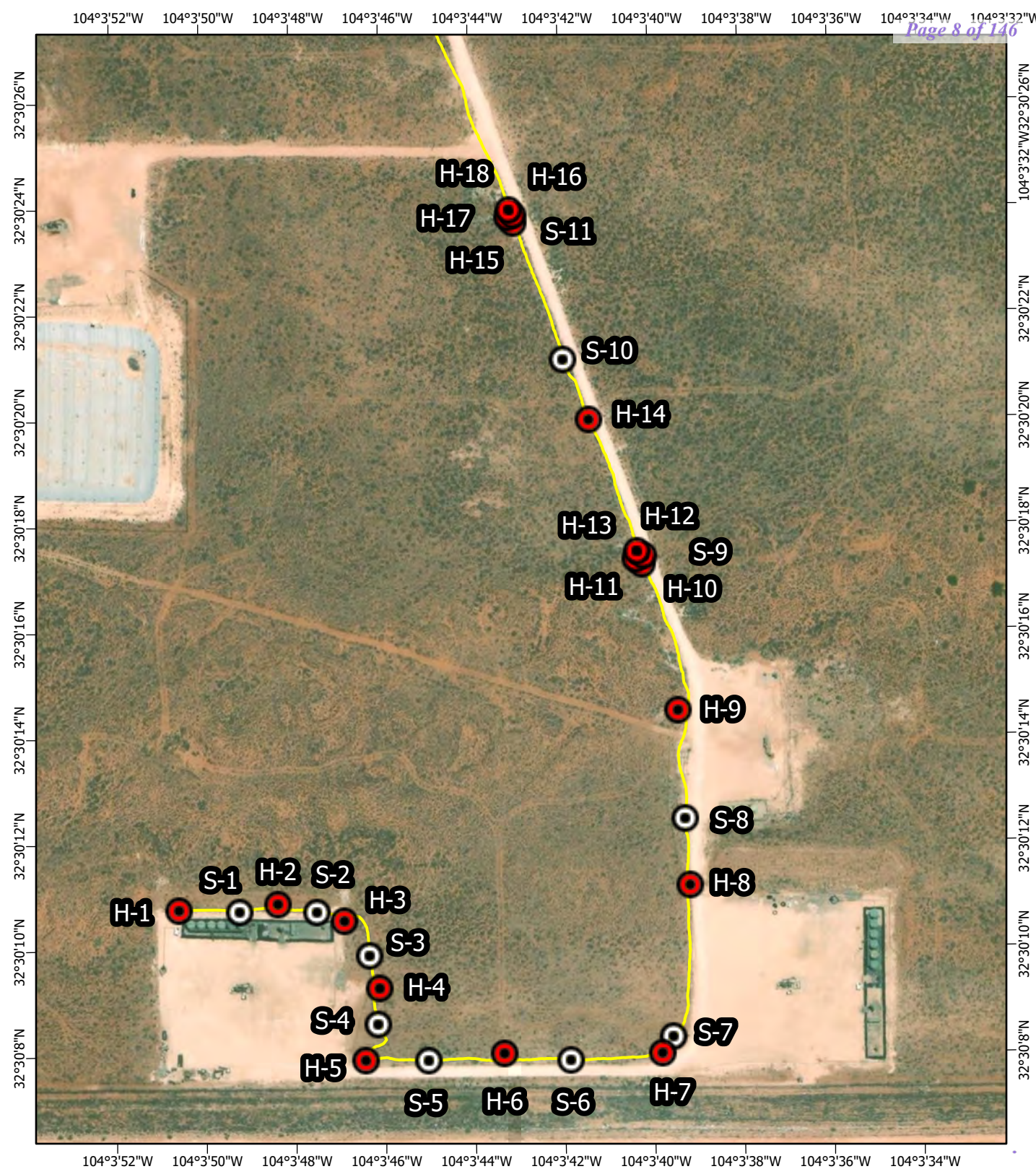
Date Exported: 06/15/2022

CARMONA RESOURCES

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415 Midland, Texas 79701

DRAWING NUMBER: **Figure 3**SHEET NUMBER: **1 of 4**

SAMPLE LOCATION MAP

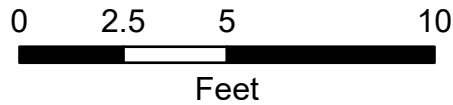
COG OPERATING

DUMP YARD 2 STATE 1H

04/22/22

EDDY COUNTY, NEW MEXICO

32.502994°, -104.063681°



Legend

⊙ Sample Points

⊙ Horizontals

Surface PolyLine

Area of Concern

Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

Map Units: Meter

Date Exported: 06/15/2022



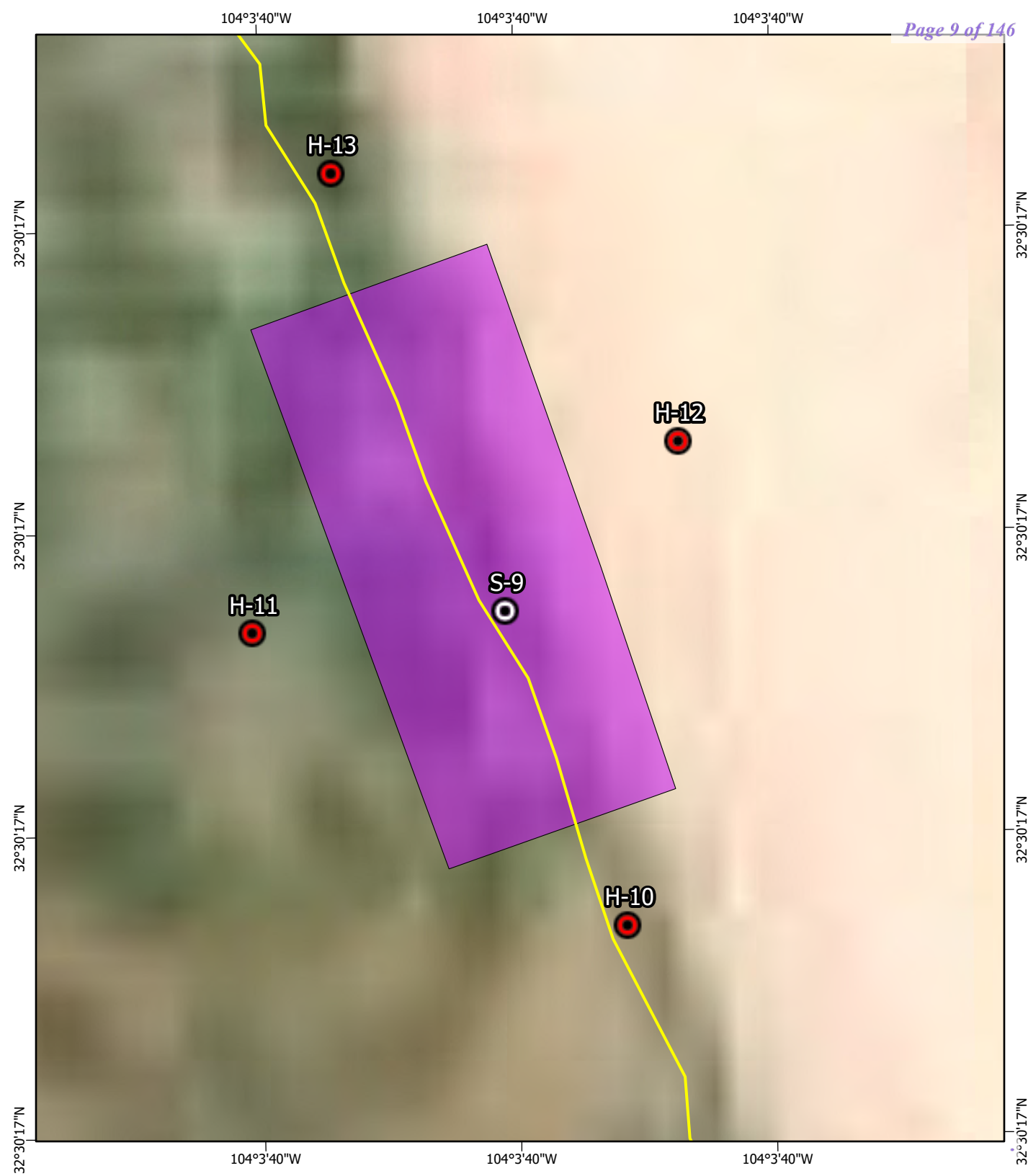
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DRAWING NUMBER: **Figure 3**

SHEET NUMBER: **2 of 4**



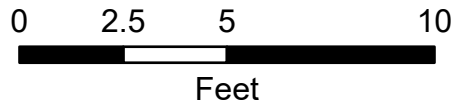
SAMPLE LOCATION MAP**COG OPERATING**

DUMP YARD 2 STATE 1H

04/22/22

EDDY COUNTY, NEW MEXICO

32.502994°, -104.063681°

**Legend**

Sample Points

Horizontals

Surface PolyLine

Area of Concern

Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

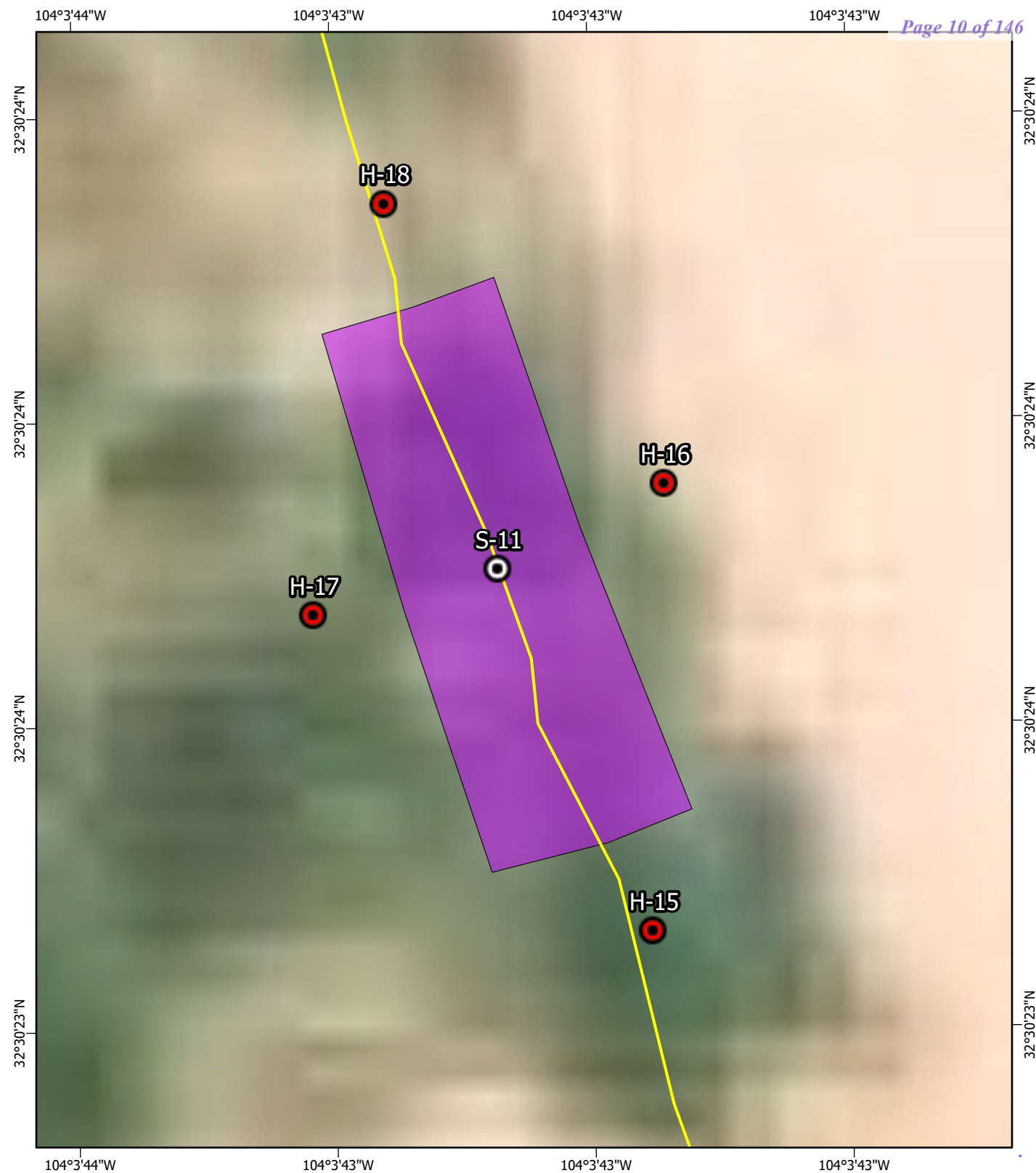
Map Units: Meter

Date Exported: 06/15/2022

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DRAWING NUMBER: **Figure 3**SHEET NUMBER: **3 of 4**

SAMPLE LOCATION MAP

COG OPERATING

DUMP YARD 2 STATE 1H

04/22/22

EDDY COUNTY, NEW MEXICO

32.502994°, -104.063681°



0 88 175 350
Feet

Legend

⊙ Sample Points

⊙ Horizontals

Surface PolyLine

Area of Concern

Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

Map Units: Meter

Date Exported: 06/15/2022

CARMONA RESOURCES



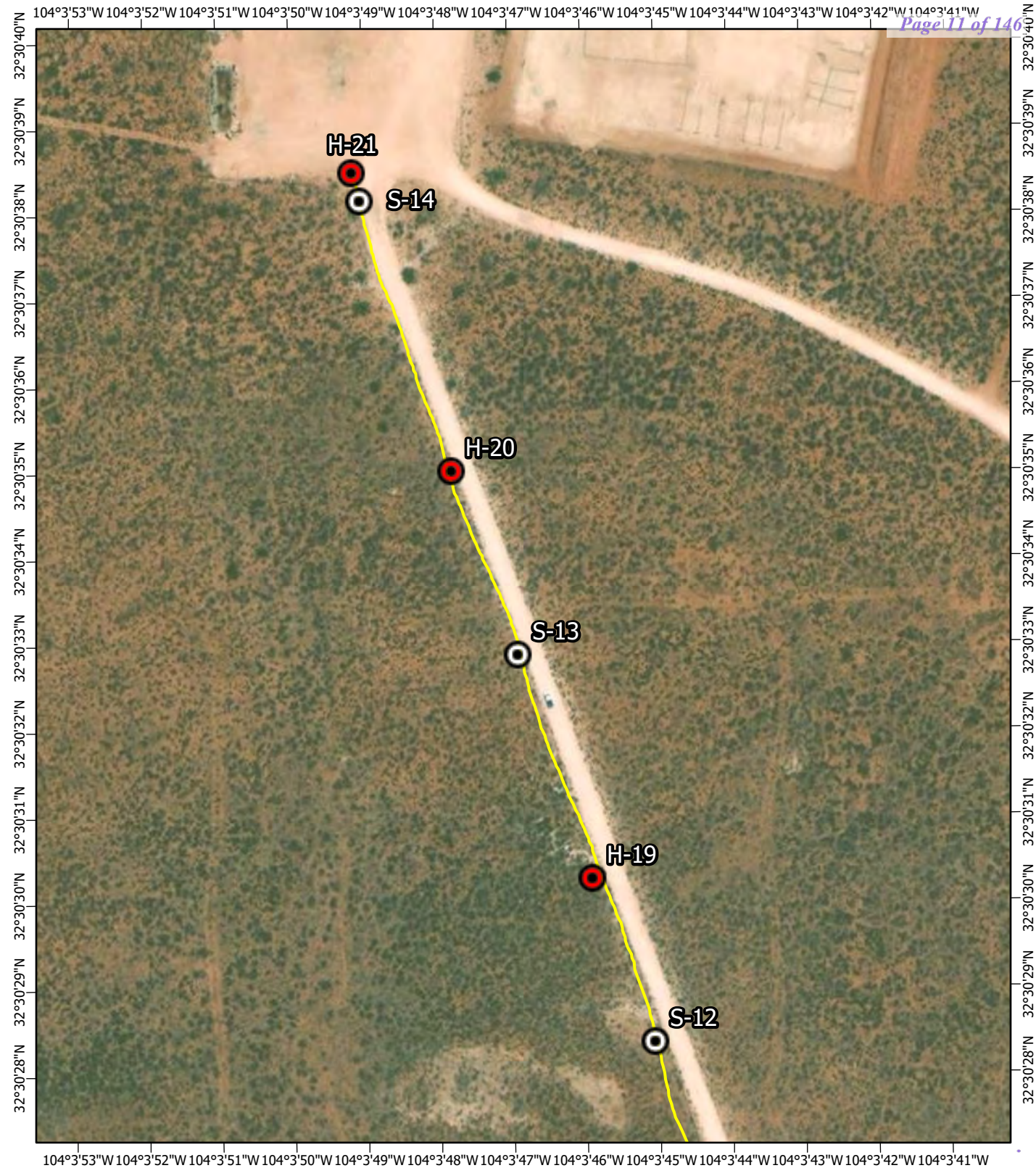
Carmona Resources

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DRAWING NUMBER: **Figure 3**

SHEET NUMBER: **4 of 4**



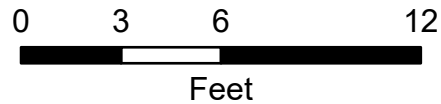
**EXCAVATION DEPTH MAP
COG OPERATING**

DUMP YARD 2 STATE 1H

04/22/22

EDDY COUNTY, NEW MEXICO

32.502994°, -104.063681°

**Legend**

Confirmation Sample

Sidewall Sample

2.5' Excavation

Spatial Reference

PCS: NAD 1983 UTM Zone 13N

GCS: GCS North American 1983

Projection: Transverse Mercator

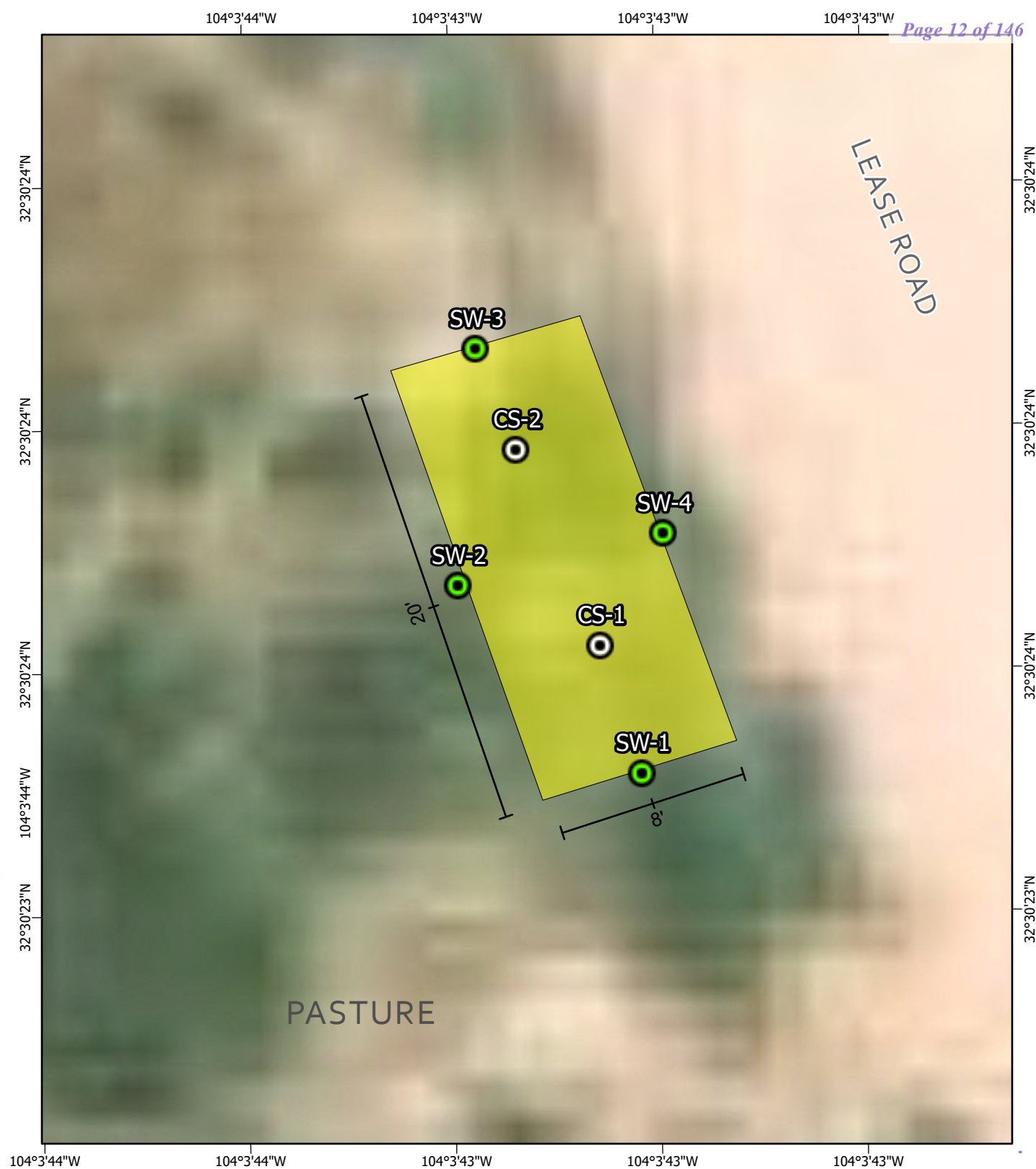
Map Units: Meter

Date Exported: 06/15/2022

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DRAWING NUMBER: **Figure 4**SHEET NUMBER: **1 of 1**

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Dump Yard 2 State 1H (04.22.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
S-1	5/23/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.4	
S-2	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.6	
S-3	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	25.9	
S-4	5/23/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.9	
S-5	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.5	
S-6	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.4	
S-7	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.0	
S-8	5/23/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00223	<0.00199	<0.00398	<0.00398	210	
S-9	5/23/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	401	
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.3	
S-10	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	26.4	
S-11	5/23/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00510	<0.00199	<0.00398	0.00510	12,100	
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,810	
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	184	
S-12	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	25.5	
S-13	5/23/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.9	
S-14	5/23/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.3	
H-1	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.8	
H-2	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.8	
H-3	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.3	
H-4	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.8	
H-5	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	23.9	
H-6	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13.7	
H-7	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	20.2	
H-8	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	15.9	
H-9	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.6	
H-10	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.9	
H-11	5/23/2022	0-0.5	<50.0	50.5	<50.0	50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.0	
H-12	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.9	
H-13	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.8	
H-14	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.1	
H-15	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.9	
H-16	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.5	
H-17	5/23/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	16.1	
H-18	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	22.3	
H-19	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	18.1	
H-20	5/23/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.0	
H-21	5/23/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	22.3	
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

Removed

Table 2
COG
Dump Yard 2 State 1H (04.22.22)
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	6/13/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	58.7
CS-2	6/13/2022	2.5	<49.9	85.7	<49.9	85.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.2
SW-1	6/13/2022	2.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.6
SW-2	6/13/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.2
SW-3	6/13/2022	2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	26.3
SW-4	6/13/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.5
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 1****Facility:** Dump Yard 2 State 1H (04.22.22)**County:** Eddy County, New Mexico**Description:**

View Northeast of remediation activities.

**Photograph No. 2****Facility:** Dump Yard 2 State 1H (04.22.22)**County:** Eddy County, New Mexico**Description:**

View East of remediation activities.

**Photograph No. 3****Facility:** Dump Yard 2 State 1H (04.22.22)**County:** Eddy County, New Mexico**Description:**

View Northwest of remediation activities.



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <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 _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/10/2022</u>

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

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

CONDITIONS

Action 105538

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 105538
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	5/10/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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: Jaques Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

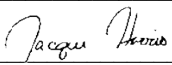
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled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

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

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

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

Printed Name: _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: _____

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Reply Reply all Forward Archive Delete Set flag

COG Dump Yard 2 State 1H (04.22.22) Sampling Notification



Mike Carmona <Mcarmona@carmonaresources.com>

6/9/2022 9:47 AM

To: OCD.Enviro@state.nm.us Cc: Harris, Jacqui; Conner Moehring; Clint Merritt

Good Morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 6/13/22 around 2:30 p.m. Mountain Time. Please let me know if you have any questions.

COG Dump Yard 2 State 1H (04.22.22)

Sec 2 T21S R28E Unit M

32.502309°, -104.063328°

Eddy County, New Mexico

Mike J. Carmona

310 West Wall Street, Suite 415

Midland TX, 79701

M: 432-813-1992

Mcarmona@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



NEAREST WATER WELL

COG OPERATING

Legend

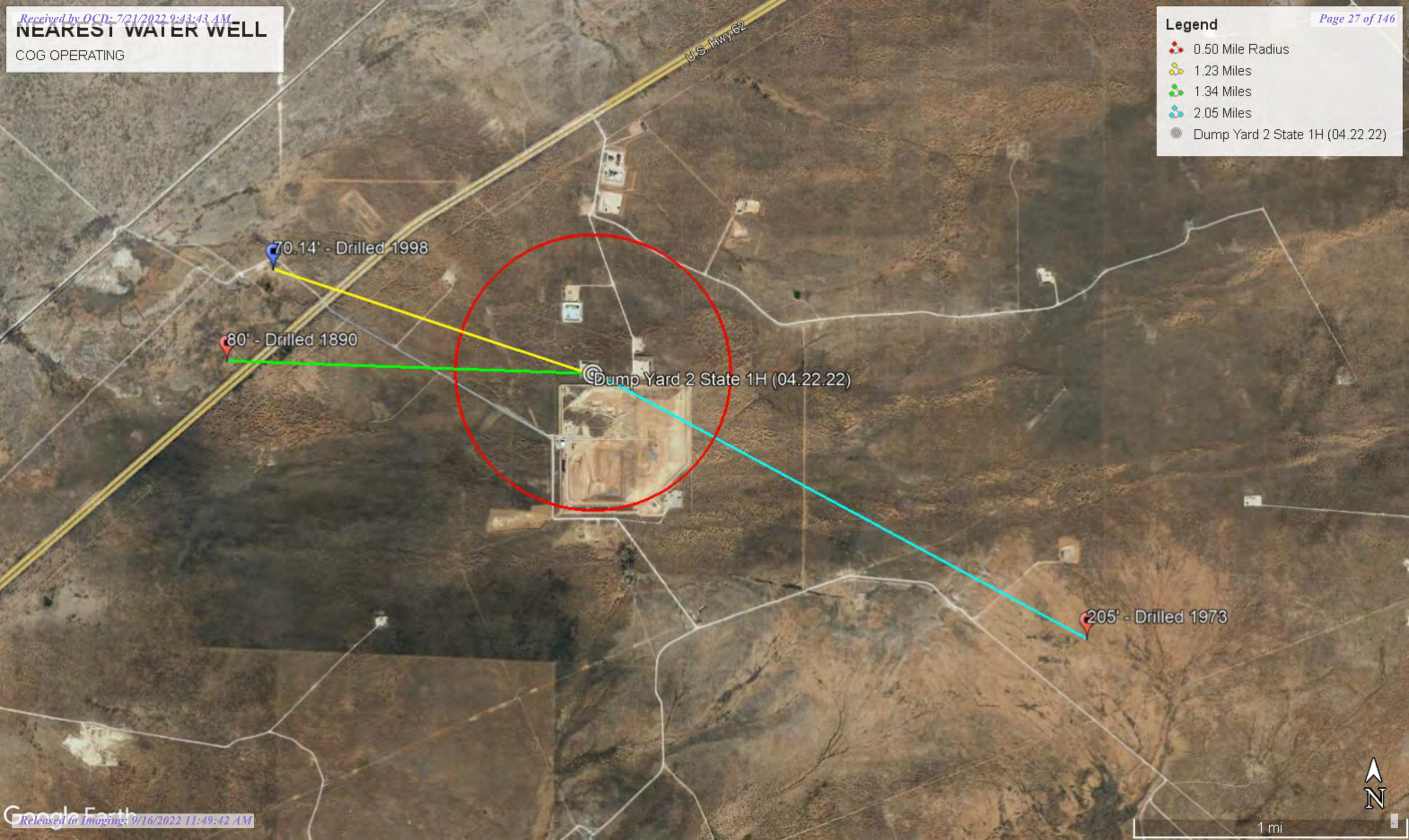
 0.50 Mile Radius

 1.23 Miles

 1.34 Miles

 2.05 Miles

 Dump Yard 2 State 1H (04.22.22)

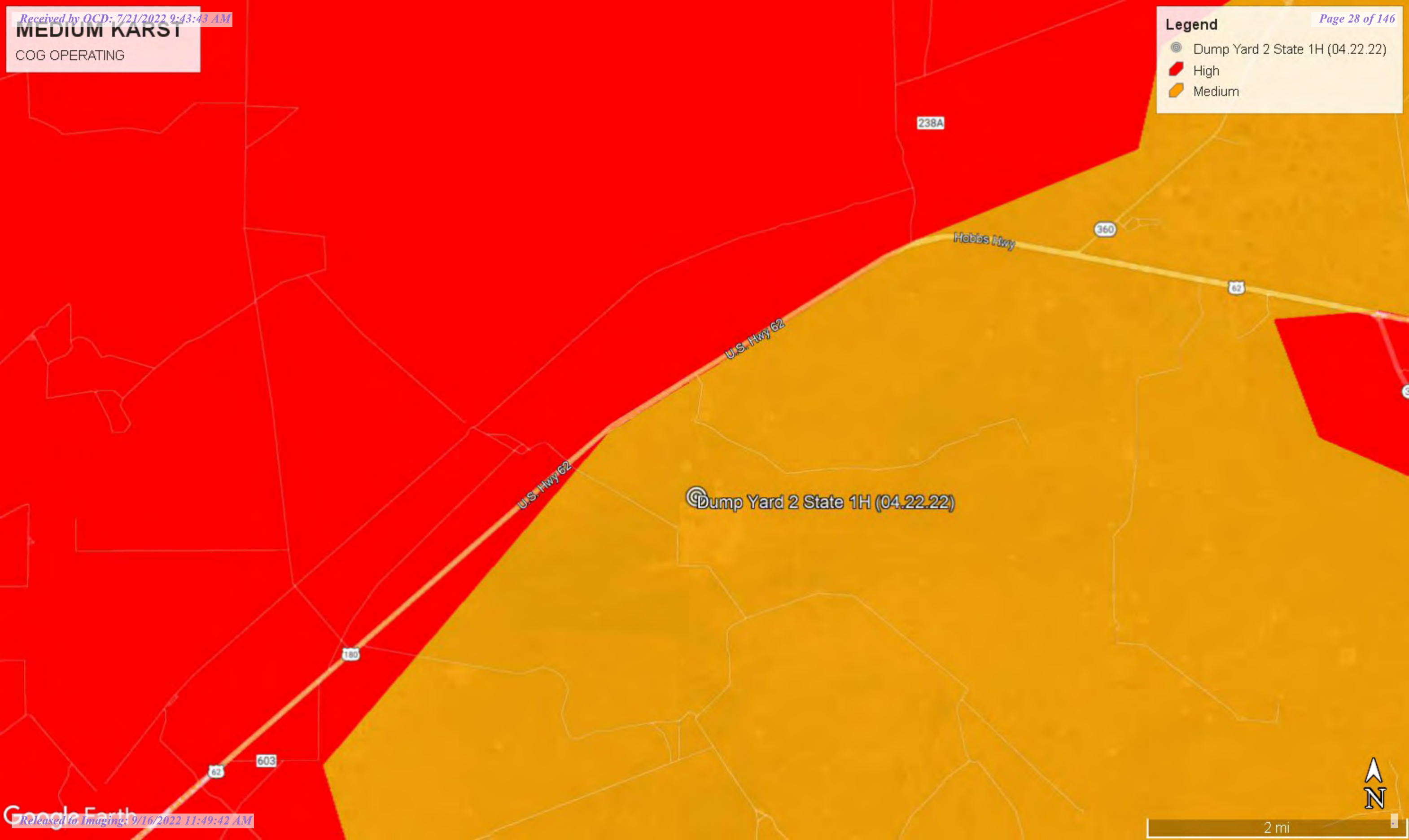


MEDIUM KARST

COG OPERATING

Legend

-  Dump Yard 2 State 1H (04.22.22)
-  High
-  Medium



2 mi

N



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 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 measur
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	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-01-19			D	72019	79.47		1	Z		
1987-10-15			D	62610	3156.26	NGVD29	1	Z		
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.

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[Help](#)

[Data Tips](#)

[Explanation of terms](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=323028104050001&agency_cd=USGS&format=html)

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

Page Last Modified: 2022-05-31 15:44:30 EDT

0.3 0.25 nadww02





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	588184	3598009	1520	160		
C 03266 POD1	CUB	ED		3	4	4	04	21S	28E	585844	3596555*	2146	260	80	180
C 03267 POD1	CUB	ED		4	3	3	04	21S	28E	584833	3596541*	3156	52	40	12
CP 00516	CP	ED		4	4	4	12	21S	28E	590901	3594984*	3283	275	205	70

Average Depth to Water: **108 feet**

Minimum Depth: **40 feet**

Maximum Depth: **205 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 587989.64

Northing (Y): 3596501.57

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.

5/31/22 1:35 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng		
	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			
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.

5/31/22 1:36 PM

POINT OF DIVERSION SUMMARY



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
	CP 00516	4	4	4	12 21S 28E 590901 3594984*
Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	05/30/1973	Drill Finish Date:	06/06/1973	Plug Date:	
Log File Date:	06/14/1973	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	275 feet	Depth Water:	205 feet
Water Bearing Stratifications:		Top	Bottom	Description	
		260	275	Sandstone/Gravel/Conglomerate	
Casing Perforations:		Top	Bottom		
		253	275		

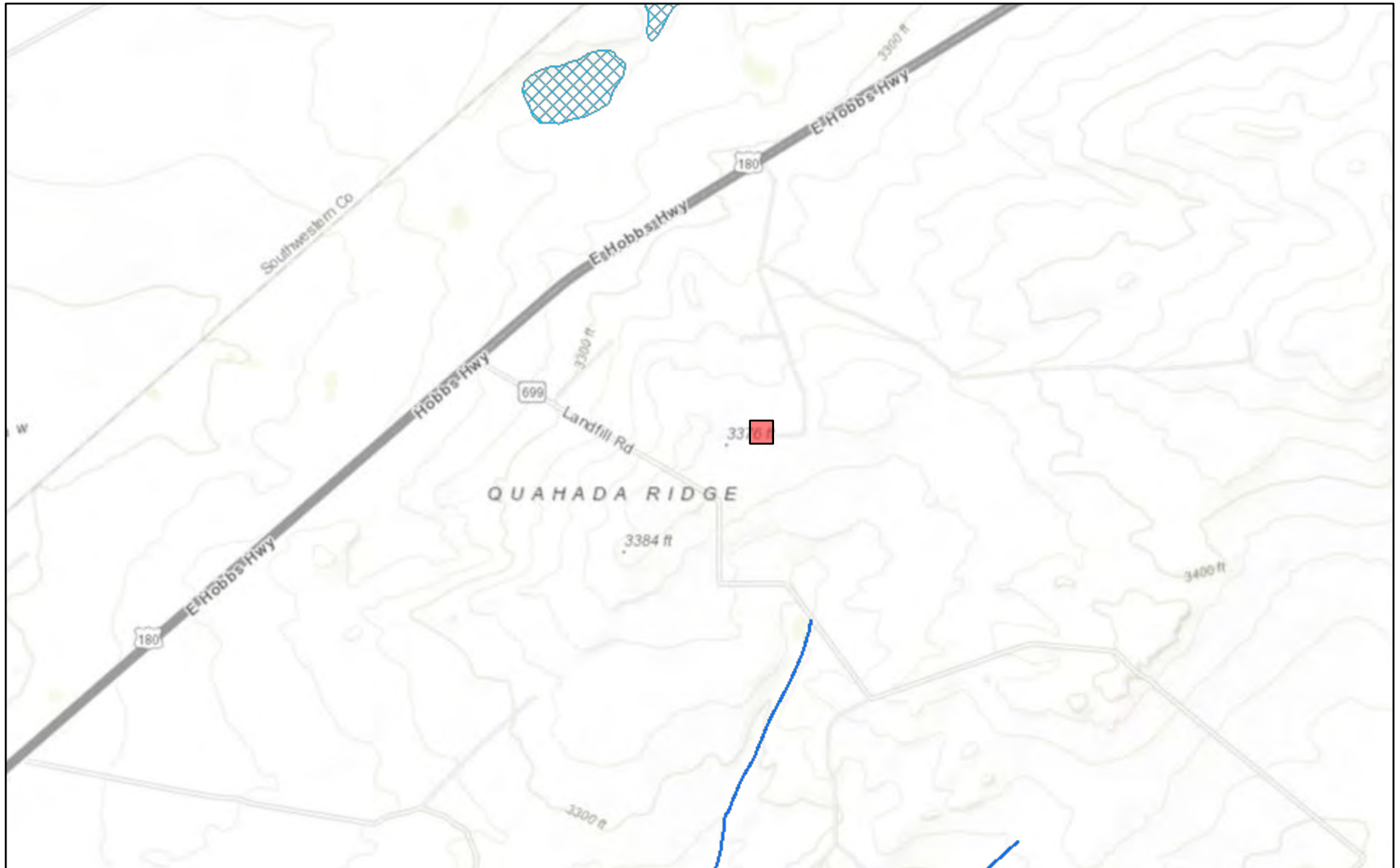
*UTM location was derived from PLSS - see Help

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.

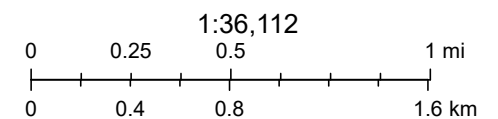
5/31/22 1:38 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



May 31, 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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This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-15087-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Dump Yard 2 State 1H(04.22.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

5/27/2022 10:18:15 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Laboratory Job ID: 880-15087-1
SDG: Eddy Co, NM

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Surrogate Summary	18
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QC Association Summary	24
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Certification Summary	34
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Sample Summary	36
Chain of Custody	37
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Job ID: 880-15087-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-15087-1

Receipt

The samples were received on 5/24/2022 10:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-26176/2-A) and (LCSD 880-26176/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15087-1

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 13:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 13:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 13:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 12:19	05/25/22 13:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 13:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 12:19	05/25/22 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/24/22 12:19	05/25/22 13:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/24/22 12:19	05/25/22 13:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	05/24/22 11:09	05/24/22 13:36	1
o-Terphenyl	92		70 - 130	05/24/22 11:09	05/24/22 13:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.4		5.04		mg/Kg			05/27/22 00:45	1

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-15087-2

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 14:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 12:19	05/25/22 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 14:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/24/22 12:19	05/25/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/24/22 12:19	05/25/22 14:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/24/22 12:19	05/25/22 14:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-15087-2

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/24/22 11:09	05/24/22 14:42	1
o-Terphenyl	96		70 - 130				05/24/22 11:09	05/24/22 14:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.6		4.98		mg/Kg			05/27/22 01:09	1

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

Lab Sample ID: 880-15087-3

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 15:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 15:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 15:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 12:19	05/25/22 15:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 15:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 12:19	05/25/22 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/24/22 12:19	05/25/22 15:05	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/24/22 12:19	05/25/22 15:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 15:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15087-3

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:09	05/24/22 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/24/22 11:09	05/24/22 15:04	1
o-Terphenyl	97		70 - 130				05/24/22 11:09	05/24/22 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.9		4.97		mg/Kg			05/27/22 01:17	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-15087-4

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 15:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 15:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 15:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 12:19	05/25/22 15:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 15:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 12:19	05/25/22 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/24/22 12:19	05/25/22 15:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/24/22 12:19	05/25/22 15:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 15:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 15:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/24/22 11:09	05/24/22 15:26	1
o-Terphenyl	88		70 - 130				05/24/22 11:09	05/24/22 15:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		4.95		mg/Kg			05/27/22 01:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-15087-5

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 15:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 15:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 15:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 15:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 15:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/24/22 12:19	05/25/22 15:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/24/22 12:19	05/25/22 15:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 15:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 15:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/24/22 11:09	05/24/22 15:49	1
o-Terphenyl	97		70 - 130	05/24/22 11:09	05/24/22 15:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		4.95		mg/Kg			05/27/22 01:32	1

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-15087-6

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 12:19	05/25/22 16:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 12:19	05/25/22 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/24/22 12:19	05/25/22 16:07	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/24/22 12:19	05/25/22 16:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-15087-6

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 16:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 16:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/24/22 11:09	05/24/22 16:11	1
o-Terphenyl	91		70 - 130				05/24/22 11:09	05/24/22 16:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		5.01		mg/Kg			05/27/22 01:56	1

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-15087-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 16:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 16:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/24/22 12:19	05/25/22 16:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/24/22 12:19	05/25/22 16:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 16:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 16:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-15087-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:09	05/24/22 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/24/22 11:09	05/24/22 16:33	1
o-Terphenyl	99		70 - 130				05/24/22 11:09	05/24/22 16:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.99		mg/Kg			05/27/22 02:04	1

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-15087-8

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:18	1
Toluene	0.00223		0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 18:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/24/22 12:19	05/25/22 18:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/24/22 12:19	05/25/22 18:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 16:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 16:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/24/22 11:09	05/24/22 16:56	1
o-Terphenyl	92		70 - 130				05/24/22 11:09	05/24/22 16:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		5.02		mg/Kg			05/27/22 02:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-15087-9

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 18:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 18:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 18:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 18:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 18:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/24/22 12:19	05/25/22 18:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/24/22 12:19	05/25/22 18:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 17:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 17:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	05/24/22 11:09	05/24/22 17:19	1
o-Terphenyl	83		70 - 130	05/24/22 11:09	05/24/22 17:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	401		5.00		mg/Kg			05/27/22 02:20	1

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-15087-10

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	05/24/22 12:19	05/25/22 18:58	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/24/22 12:19	05/25/22 18:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-15087-10

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 17:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 17:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				05/24/22 11:09	05/24/22 17:40	1
o-Terphenyl	87		70 - 130				05/24/22 11:09	05/24/22 17:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		5.05		mg/Kg			05/27/22 02:28	1

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-15087-11

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/24/22 12:19	05/25/22 19:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/24/22 12:19	05/25/22 19:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/24/22 12:19	05/25/22 19:19	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/24/22 12:19	05/25/22 19:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/24/22 12:19	05/25/22 19:19	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/24/22 12:19	05/25/22 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/24/22 12:19	05/25/22 19:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/24/22 12:19	05/25/22 19:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 18:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-15087-11

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:09	05/24/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/24/22 11:09	05/24/22 18:20	1
o-Terphenyl	92		70 - 130				05/24/22 11:09	05/24/22 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.4		4.98		mg/Kg			05/27/22 02:36	1

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-15087-12

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 19:39	1
Toluene	0.00510		0.00199		mg/Kg		05/24/22 12:19	05/25/22 19:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 19:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 19:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 19:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/24/22 12:19	05/25/22 19:39	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/24/22 12:19	05/25/22 19:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00510		0.00398		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 18:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/24/22 11:09	05/24/22 18:41	1
o-Terphenyl	104		70 - 130				05/24/22 11:09	05/24/22 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12100		99.0		mg/Kg			05/27/22 02:59	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-15087-13

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 12:19	05/25/22 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/24/22 12:19	05/25/22 20:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/24/22 12:19	05/25/22 20:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/24/22 11:09	05/24/22 19:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/22 11:09	05/24/22 19:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/22 11:09	05/24/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/24/22 11:09	05/24/22 19:01	1
o-Terphenyl	103		70 - 130	05/24/22 11:09	05/24/22 19:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4810		50.5		mg/Kg			05/27/22 03:07	10

Client Sample ID: S-11 (2')

Lab Sample ID: 880-15087-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 12:19	05/25/22 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 20:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/24/22 12:19	05/25/22 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/24/22 12:19	05/25/22 20:20	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/24/22 12:19	05/25/22 20:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-11 (2')

Lab Sample ID: 880-15087-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 19:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 19:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/24/22 11:09	05/24/22 19:21	1
o-Terphenyl	103		70 - 130				05/24/22 11:09	05/24/22 19:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.01		mg/Kg			05/27/22 03:31	1

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15087-15

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 20:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 20:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 20:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 12:19	05/25/22 20:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 12:19	05/25/22 20:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 12:19	05/25/22 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/24/22 12:19	05/25/22 20:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/24/22 12:19	05/25/22 20:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 19:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 19:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15087-15

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:09	05/24/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				05/24/22 11:09	05/24/22 19:42	1
o-Terphenyl	89		70 - 130				05/24/22 11:09	05/24/22 19:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.5		5.01		mg/Kg			05/27/22 03:39	1

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-15087-16

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 21:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 21:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 21:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/24/22 12:19	05/25/22 21:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 12:19	05/25/22 21:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/24/22 12:19	05/25/22 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/24/22 12:19	05/25/22 21:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/24/22 12:19	05/25/22 21:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 20:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/24/22 11:09	05/24/22 20:02	1
o-Terphenyl	91		70 - 130				05/24/22 11:09	05/24/22 20:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.03		mg/Kg			05/27/22 03:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-15087-17

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 21:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 21:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 21:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 21:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 12:19	05/25/22 21:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 12:19	05/25/22 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/24/22 12:19	05/25/22 21:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/24/22 12:19	05/25/22 21:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/22 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 20:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 20:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/24/22 11:09	05/24/22 20:22	1
o-Terphenyl	95		70 - 130	05/24/22 11:09	05/24/22 20:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3		4.99		mg/Kg			05/27/22 03:55	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15087-1	S-1 (0-1')	106	100
880-15087-1 MS	S-1 (0-1')	102	94
880-15087-1 MSD	S-1 (0-1')	105	93
880-15087-2	S-2 (0-1')	104	98
880-15087-3	S-3 (0-1')	103	92
880-15087-4	S-4 (0-1')	104	99
880-15087-5	S-5 (0-1')	105	99
880-15087-6	S-6 (0-1')	102	99
880-15087-7	S-7 (0-1')	108	100
880-15087-8	S-8 (0-1')	106	92
880-15087-9	S-9 (0-1')	99	99
880-15087-10	S-9 (1.5')	72	86
880-15087-11	S-10 (0-1')	99	91
880-15087-12	S-11 (0-1')	104	101
880-15087-13	S-11 (1.5')	98	92
880-15087-14	S-11 (2')	104	96
880-15087-15	S-12 (0-1')	102	91
880-15087-16	S-13 (0-1')	105	101
880-15087-17	S-14 (0-1')	105	97
LCS 880-26178/1-A	Lab Control Sample	101	99
LCSD 880-26178/2-A	Lab Control Sample Dup	107	102
MB 880-26178/5-A	Method Blank	97	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15087-1	S-1 (0-1')	88	92
880-15087-1 MS	S-1 (0-1')	83	74
880-15087-1 MSD	S-1 (0-1')	83	74
880-15087-2	S-2 (0-1')	91	96
880-15087-3	S-3 (0-1')	92	97
880-15087-4	S-4 (0-1')	88	88
880-15087-5	S-5 (0-1')	91	97
880-15087-6	S-6 (0-1')	88	91
880-15087-7	S-7 (0-1')	93	99
880-15087-8	S-8 (0-1')	90	92
880-15087-9	S-9 (0-1')	82	83
880-15087-10	S-9 (1.5')	83	87
880-15087-11	S-10 (0-1')	89	92
880-15087-12	S-11 (0-1')	98	104
880-15087-13	S-11 (1.5')	100	103
880-15087-14	S-11 (2')	99	103
880-15087-15	S-12 (0-1')	84	89

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-15087-1

Project/Site: Dump Yard 2 State 1H(04.22.22)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15087-16	S-13 (0-1')	88	91
880-15087-17	S-14 (0-1')	91	95
LCS 880-26176/2-A	Lab Control Sample	476 S1+	470 S1+
LCSD 880-26176/3-A	Lab Control Sample Dup	443 S1+	446 S1+
MB 880-26176/1-A	Method Blank	102	110

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26178/5-A

Matrix: Solid

Analysis Batch: 26220

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 12:19	05/25/22 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 12:19	05/25/22 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 12:19	05/25/22 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/24/22 12:19	05/25/22 12:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/24/22 12:19	05/25/22 12:54	1

Lab Sample ID: LCS 880-26178/1-A

Matrix: Solid

Analysis Batch: 26220

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08535		mg/Kg		85	70 - 130
Toluene	0.100	0.08765		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.1824		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08823		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-26178/2-A

Matrix: Solid

Analysis Batch: 26220

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26178

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08565		mg/Kg		86	70 - 130	0	35
Toluene	0.100	0.08176		mg/Kg		82	70 - 130	7	35
Ethylbenzene	0.100	0.09032		mg/Kg		90	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1615		mg/Kg		81	70 - 130	12	35
o-Xylene	0.100	0.07953		mg/Kg		80	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-15087-1 MS

Matrix: Solid

Analysis Batch: 26220

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

Prep Type: Total/NA

Prep Batch: 26178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08364		mg/Kg		83	70 - 130
Toluene	<0.00201	U	0.100	0.09132		mg/Kg		91	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15087-1 MS

Matrix: Solid

Analysis Batch: 26220

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

Prep Type: Total/NA

Prep Batch: 26178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1064		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1947		mg/Kg		97	70 - 130
o-Xylene	<0.00201	U	0.100	0.09220		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-15087-1 MSD

Matrix: Solid

Analysis Batch: 26220

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

Prep Type: Total/NA

Prep Batch: 26178

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.09151		mg/Kg		92	70 - 130	9	35
Toluene	<0.00201	U	0.0996	0.09719		mg/Kg		97	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.0996	0.1116		mg/Kg		112	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2036		mg/Kg		102	70 - 130	4	35
o-Xylene	<0.00201	U	0.0996	0.09651		mg/Kg		96	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-26176/1-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 12:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 12:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	05/24/22 11:09	05/24/22 12:30	1
o-Terphenyl	110		70 - 130	05/24/22 11:09	05/24/22 12:30	1

Lab Sample ID: LCS 880-26176/2-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	878.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	987.9		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-26176/2-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26176

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	476	S1+	70 - 130
o-Terphenyl	470	S1+	70 - 130

Lab Sample ID: LCSD 880-26176/3-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	878.4		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	909.8		mg/Kg		91	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	443	S1+	70 - 130
o-Terphenyl	446	S1+	70 - 130

Lab Sample ID: 880-15087-1 MS

Matrix: Solid

Analysis Batch: 26162

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

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1077		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	996.5		mg/Kg		100	70 - 130

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

Lab Sample ID: 880-15087-1 MSD

Matrix: Solid

Analysis Batch: 26162

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

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1093		mg/Kg		107	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	997.8		mg/Kg		100	70 - 130	0	20

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26181/1-A

Matrix: Solid

Analysis Batch: 26240

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			05/27/22 00:21	1

Lab Sample ID: LCS 880-26181/2-A

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-26181/3-A

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.6		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-15087-1 MS

Matrix: Solid

Analysis Batch: 26240

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	19.4		252	281.9		mg/Kg		104	90 - 110

Lab Sample ID: 880-15087-1 MSD

Matrix: Solid

Analysis Batch: 26240

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19.4		252	281.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-15087-11 MS

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: S-10 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.4		249	285.3		mg/Kg		104	90 - 110

Lab Sample ID: 880-15087-11 MSD

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: S-10 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.4		249	285.0		mg/Kg		104	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 26178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Total/NA	Solid	5035	
880-15087-2	S-2 (0-1')	Total/NA	Solid	5035	
880-15087-3	S-3 (0-1')	Total/NA	Solid	5035	
880-15087-4	S-4 (0-1')	Total/NA	Solid	5035	
880-15087-5	S-5 (0-1')	Total/NA	Solid	5035	
880-15087-6	S-6 (0-1')	Total/NA	Solid	5035	
880-15087-7	S-7 (0-1')	Total/NA	Solid	5035	
880-15087-8	S-8 (0-1')	Total/NA	Solid	5035	
880-15087-9	S-9 (0-1')	Total/NA	Solid	5035	
880-15087-10	S-9 (1.5')	Total/NA	Solid	5035	
880-15087-11	S-10 (0-1')	Total/NA	Solid	5035	
880-15087-12	S-11 (0-1')	Total/NA	Solid	5035	
880-15087-13	S-11 (1.5')	Total/NA	Solid	5035	
880-15087-14	S-11 (2')	Total/NA	Solid	5035	
880-15087-15	S-12 (0-1')	Total/NA	Solid	5035	
880-15087-16	S-13 (0-1')	Total/NA	Solid	5035	
880-15087-17	S-14 (0-1')	Total/NA	Solid	5035	
MB 880-26178/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26178/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26178/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15087-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-15087-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 26220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Total/NA	Solid	8021B	26178
880-15087-2	S-2 (0-1')	Total/NA	Solid	8021B	26178
880-15087-3	S-3 (0-1')	Total/NA	Solid	8021B	26178
880-15087-4	S-4 (0-1')	Total/NA	Solid	8021B	26178
880-15087-5	S-5 (0-1')	Total/NA	Solid	8021B	26178
880-15087-6	S-6 (0-1')	Total/NA	Solid	8021B	26178
880-15087-7	S-7 (0-1')	Total/NA	Solid	8021B	26178
880-15087-8	S-8 (0-1')	Total/NA	Solid	8021B	26178
880-15087-9	S-9 (0-1')	Total/NA	Solid	8021B	26178
880-15087-10	S-9 (1.5')	Total/NA	Solid	8021B	26178
880-15087-11	S-10 (0-1')	Total/NA	Solid	8021B	26178
880-15087-12	S-11 (0-1')	Total/NA	Solid	8021B	26178
880-15087-13	S-11 (1.5')	Total/NA	Solid	8021B	26178
880-15087-14	S-11 (2')	Total/NA	Solid	8021B	26178
880-15087-15	S-12 (0-1')	Total/NA	Solid	8021B	26178
880-15087-16	S-13 (0-1')	Total/NA	Solid	8021B	26178
880-15087-17	S-14 (0-1')	Total/NA	Solid	8021B	26178
MB 880-26178/5-A	Method Blank	Total/NA	Solid	8021B	26178
LCS 880-26178/1-A	Lab Control Sample	Total/NA	Solid	8021B	26178
LCSD 880-26178/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26178
880-15087-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	26178
880-15087-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	26178

Analysis Batch: 26287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 26287 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-2	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-3	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-4	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-5	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-6	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-7	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-8	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-9	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-10	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-15087-11	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-12	S-11 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-13	S-11 (1.5')	Total/NA	Solid	Total BTEX	
880-15087-14	S-11 (2')	Total/NA	Solid	Total BTEX	
880-15087-15	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-16	S-13 (0-1')	Total/NA	Solid	Total BTEX	
880-15087-17	S-14 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 26162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-2	S-2 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-3	S-3 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-4	S-4 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-5	S-5 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-6	S-6 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-7	S-7 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-8	S-8 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-9	S-9 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-10	S-9 (1.5')	Total/NA	Solid	8015B NM	26176
880-15087-11	S-10 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-12	S-11 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-13	S-11 (1.5')	Total/NA	Solid	8015B NM	26176
880-15087-14	S-11 (2')	Total/NA	Solid	8015B NM	26176
880-15087-15	S-12 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-16	S-13 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-17	S-14 (0-1')	Total/NA	Solid	8015B NM	26176
MB 880-26176/1-A	Method Blank	Total/NA	Solid	8015B NM	26176
LCS 880-26176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26176
LCSD 880-26176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26176
880-15087-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	26176
880-15087-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	26176

Prep Batch: 26176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-2	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-3	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-4	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-5	S-5 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 26176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-6	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-7	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-8	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-9	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-10	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-15087-11	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-12	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-13	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-15087-14	S-11 (2')	Total/NA	Solid	8015NM Prep	
880-15087-15	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-16	S-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-17	S-14 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-26176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15087-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15087-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-15087-2	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-15087-3	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-15087-4	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-15087-5	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-15087-6	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-15087-7	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-15087-8	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-15087-9	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-15087-10	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-15087-11	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-15087-12	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-15087-13	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-15087-14	S-11 (2')	Total/NA	Solid	8015 NM	
880-15087-15	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-15087-16	S-13 (0-1')	Total/NA	Solid	8015 NM	
880-15087-17	S-14 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-15087-2	S-2 (0-1')	Soluble	Solid	DI Leach	
880-15087-3	S-3 (0-1')	Soluble	Solid	DI Leach	
880-15087-4	S-4 (0-1')	Soluble	Solid	DI Leach	
880-15087-5	S-5 (0-1')	Soluble	Solid	DI Leach	
880-15087-6	S-6 (0-1')	Soluble	Solid	DI Leach	
880-15087-7	S-7 (0-1')	Soluble	Solid	DI Leach	
880-15087-8	S-8 (0-1')	Soluble	Solid	DI Leach	
880-15087-9	S-9 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 26181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-10	S-9 (1.5')	Soluble	Solid	DI Leach	
880-15087-11	S-10 (0-1')	Soluble	Solid	DI Leach	
880-15087-12	S-11 (0-1')	Soluble	Solid	DI Leach	
880-15087-13	S-11 (1.5')	Soluble	Solid	DI Leach	
880-15087-14	S-11 (2')	Soluble	Solid	DI Leach	
880-15087-15	S-12 (0-1')	Soluble	Solid	DI Leach	
880-15087-16	S-13 (0-1')	Soluble	Solid	DI Leach	
880-15087-17	S-14 (0-1')	Soluble	Solid	DI Leach	
MB 880-26181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15087-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-15087-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	
880-15087-11 MS	S-10 (0-1')	Soluble	Solid	DI Leach	
880-15087-11 MSD	S-10 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 26240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15087-1	S-1 (0-1')	Soluble	Solid	300.0	26181
880-15087-2	S-2 (0-1')	Soluble	Solid	300.0	26181
880-15087-3	S-3 (0-1')	Soluble	Solid	300.0	26181
880-15087-4	S-4 (0-1')	Soluble	Solid	300.0	26181
880-15087-5	S-5 (0-1')	Soluble	Solid	300.0	26181
880-15087-6	S-6 (0-1')	Soluble	Solid	300.0	26181
880-15087-7	S-7 (0-1')	Soluble	Solid	300.0	26181
880-15087-8	S-8 (0-1')	Soluble	Solid	300.0	26181
880-15087-9	S-9 (0-1')	Soluble	Solid	300.0	26181
880-15087-10	S-9 (1.5')	Soluble	Solid	300.0	26181
880-15087-11	S-10 (0-1')	Soluble	Solid	300.0	26181
880-15087-12	S-11 (0-1')	Soluble	Solid	300.0	26181
880-15087-13	S-11 (1.5')	Soluble	Solid	300.0	26181
880-15087-14	S-11 (2')	Soluble	Solid	300.0	26181
880-15087-15	S-12 (0-1')	Soluble	Solid	300.0	26181
880-15087-16	S-13 (0-1')	Soluble	Solid	300.0	26181
880-15087-17	S-14 (0-1')	Soluble	Solid	300.0	26181
MB 880-26181/1-A	Method Blank	Soluble	Solid	300.0	26181
LCS 880-26181/2-A	Lab Control Sample	Soluble	Solid	300.0	26181
LCSD 880-26181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26181
880-15087-1 MS	S-1 (0-1')	Soluble	Solid	300.0	26181
880-15087-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	26181
880-15087-11 MS	S-10 (0-1')	Soluble	Solid	300.0	26181
880-15087-11 MSD	S-10 (0-1')	Soluble	Solid	300.0	26181

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15087-1

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 13:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 13:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 00:45	CH	XEN MID

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-15087-2

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 14:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 14:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 01:09	CH	XEN MID

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

Lab Sample ID: 880-15087-3

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 15:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 01:17	CH	XEN MID

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-15087-4

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 15:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-15087-4

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 15:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 01:25	CH	XEN MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-15087-5

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 15:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 15:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 01:32	CH	XEN MID

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-15087-6

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 16:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 16:11	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 01:56	CH	XEN MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-15087-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 16:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 16:33	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-15087-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 02:04	CH	XEN MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-15087-8

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 18:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 02:12	CH	XEN MID

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-15087-9

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 18:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 02:20	CH	XEN MID

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-15087-10

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 18:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 17:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 02:28	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-15087-11

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 19:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 02:36	CH	XEN MID

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-15087-12

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 19:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		20			26240	05/27/22 02:59	CH	XEN MID

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-15087-13

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 20:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 19:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		10			26240	05/27/22 03:07	CH	XEN MID

Client Sample ID: S-11 (2')

Lab Sample ID: 880-15087-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 20:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-11 (2')

Lab Sample ID: 880-15087-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 19:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 03:31	CH	XEN MID

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-15087-15

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 20:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 03:39	CH	XEN MID

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-15087-16

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 21:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 20:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 03:47	CH	XEN MID

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-15087-17

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26178	05/24/22 12:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26220	05/25/22 21:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26287	05/25/22 16:10	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26237	05/25/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 20:22	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Client Sample ID: S-14 (0-1')
Date Collected: 05/23/22 00:00
Date Received: 05/24/22 10:02

Lab Sample ID: 880-15087-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 03:55	CH	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
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 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H(04.22.22)

Job ID: 880-15087-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15087-1	S-1 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-2	S-2 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-3	S-3 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-4	S-4 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-5	S-5 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-6	S-6 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-7	S-7 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-8	S-8 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-9	S-9 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-10	S-9 (1.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-11	S-10 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-12	S-11 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-13	S-11 (1.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-14	S-11 (2')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-15	S-12 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-16	S-13 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02
880-15087-17	S-14 (0-1')	Solid	05/23/22 00:00	05/24/22 10:02

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Work Order No: 15087

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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 88256
Phone	432-813-6823	Email	jacqui.harris@concomphillips.com

Work Order Comments	
Program: UST/PST	PRP ☐ Brownfields ☐ RC ☐ Superfund
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Dump Yard 2 State 1H (04 22 22)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1061	Due Date	72 Hrs														None NO	DI Water H ₂ O
Project Location	Eddy Co. NM	TAT starts the day received by the lab if received by 4 30pm															Cool Cool	MeOH Me
Sampler's Name	CRM/MC																HCL HC	HNO ₃ HN
PO #																	H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐													H ₃ PO ₄ HP	
Received Intact	Yes ☒ No ☐	Thermometer ID															NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor															Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading															Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature															NaOH+Ascorbic Acid	SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	ANALYSIS REQUEST												Sample Comments
S-1 (0-1')	5/23/2022		X		G	1	X	X	X													
S-2 (0-1')	5/23/2022		X		G	1	X	X	X													
S-3 (0-1')	5/23/2022		X		G	1	X	X	X													
S-4 (0-1')	5/23/2022		X		G	1	X	X	X													
S-5 (0-1')	5/23/2022		X		G	1	X	X	X													
S-6 (0-1')	5/23/2022		X		G	1	X	X	X													
S-7 (0-1')	5/23/2022		X		G	1	X	X	X													
S-8 (0-1')	5/23/2022		X		G	1	X	X	X													
S-9 (0-1')	5/23/2022		X		G	1	X	X	X													
S-9 (1 5')	5/23/2022		X		G	1	X	X	X													



Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>[Signature]</i>	5/23/22 10:02	<i>[Signature]</i>	

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 86256
Phone	432-813-6823	Email	jacqui_harris@conocophillips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Work Order No.:

1509

Page 2 of 2

Project Name				Dump Yard 2 State 1H (04 22 22)				Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number		1061		☐ Routine ☒ Rush		Pras. Code																None NO		DI Water H ₂ O			
Project Location		Eddy Co. NM		Due Date		72 Hrs																Cool Cool		MeOH Me			
Sampler's Name		CRM/MC		TAT starts the day received by the lab if received by 4 30pm																		HCL. HC		HNO ₃ HN			
PO #:																						H ₂ SO ₄ H ₂		NaOH Na			
SAMPLE RECEIPT				Temp Blank		Yes ☒ No ☐		Yes ☒ No ☐														H ₃ PO ₄ HP					
Received Intact:		Yes ☒ No ☐		Thermometer ID		Correction Factor																NaHSO ₄ NABIS					
Cooler Custody Seals		Yes ☒ No ☐		Temperature Reading		Corrected Temperature																Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals		Yes ☒ No ☐																				Zn Acetate+NaOH Zn					
Total Containers																						NaOH+Ascorbic Acid SAPC					
Sample Identification				Date		Time		Soil		Water		Grab/ Comp		# of Cont										Sample Comments			
S-10 (0-1')				5/23/2022				X				G		1		X		X		X							
S-11 (0-1')				5/23/2022				X				G		1		X		X		X							
S-11 (1 5')				5/23/2022				X				G		1		X		X		X							
S-11 (2')				5/23/2022				X				G		1		X		X		X							
S-12 (0-1')				5/23/2022				X				G		1		X		X		X							
S-13 (0-1')				5/23/2022				X				G		1		X		X		X							
S-14 (0-1')				5/23/2022				X				G		1		X		X		X							

Comments:

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15087-1

SDG Number: Eddy Co, NM

Login Number: 15087

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	



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-15088-1

Laboratory Sample Delivery Group: Eddy Co. NM
Client Project/Site: Dump Yard 2 State 1H (04.22.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

5/27/2022 10:33:19 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Laboratory Job ID: 880-15088-1
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Job ID: 880-15088-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-15088-1**

Receipt

The samples were received on 5/24/2022 10:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-26170 and analytical batch 880-26158 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-26176/2-A) and (LCSD 880-26176/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-15088-1

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 13:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/24/22 10:33	05/24/22 13:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/24/22 10:33	05/24/22 13:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 13:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/24/22 11:05	05/24/22 13:36	1
o-Terphenyl	96		70 - 130	05/24/22 11:05	05/24/22 13:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.8		5.00		mg/Kg			05/27/22 04:03	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-15088-2

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 13:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 10:33	05/24/22 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 10:33	05/24/22 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/24/22 10:33	05/24/22 13:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/24/22 10:33	05/24/22 13:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-15088-2

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				05/24/22 11:05	05/24/22 14:42	1
o-Terphenyl	91		70 - 130				05/24/22 11:05	05/24/22 14:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.8		4.97		mg/Kg			05/27/22 04:11	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-15088-3

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 13:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 13:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/24/22 10:33	05/24/22 13:53	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/24/22 10:33	05/24/22 13:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 15:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-15088-3

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:05	05/24/22 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/24/22 11:05	05/24/22 15:04	1
o-Terphenyl	102		70 - 130				05/24/22 11:05	05/24/22 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		4.99		mg/Kg			05/26/22 16:00	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-15088-4

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 14:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 14:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 14:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 14:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 14:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/24/22 10:33	05/24/22 14:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/24/22 10:33	05/24/22 14:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 15:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 15:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/24/22 11:05	05/24/22 15:26	1
o-Terphenyl	111		70 - 130				05/24/22 11:05	05/24/22 15:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		5.01		mg/Kg			05/27/22 05:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-15088-5

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/24/22 10:33	05/24/22 14:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/24/22 10:33	05/24/22 14:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/24/22 10:33	05/24/22 14:35	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/24/22 10:33	05/24/22 14:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 15:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 15:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	05/24/22 11:05	05/24/22 15:49	1
o-Terphenyl	94		70 - 130	05/24/22 11:05	05/24/22 15:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.9		4.98		mg/Kg			05/27/22 05:37	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-15088-6

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 10:33	05/24/22 14:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 14:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 10:33	05/24/22 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/24/22 10:33	05/24/22 14:55	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/24/22 10:33	05/24/22 14:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-15088-6

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 16:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 16:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 16:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/24/22 11:05	05/24/22 16:11	1
o-Terphenyl	103		70 - 130				05/24/22 11:05	05/24/22 16:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		4.95		mg/Kg			05/27/22 05:45	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-15088-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 15:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 15:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 15:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/24/22 10:33	05/24/22 15:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 15:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/24/22 10:33	05/24/22 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/24/22 10:33	05/24/22 15:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/24/22 10:33	05/24/22 15:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 16:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 16:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-15088-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:05	05/24/22 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/24/22 11:05	05/24/22 16:33	1
o-Terphenyl	90		70 - 130				05/24/22 11:05	05/24/22 16:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.2		5.00		mg/Kg			05/27/22 05:53	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-15088-8

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 15:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 15:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 15:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 10:33	05/24/22 15:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 15:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 10:33	05/24/22 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/24/22 10:33	05/24/22 15:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130				05/24/22 10:33	05/24/22 15:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 16:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 16:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/24/22 11:05	05/24/22 16:56	1
o-Terphenyl	105		70 - 130				05/24/22 11:05	05/24/22 16:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.97		mg/Kg			05/27/22 06:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-15088-9

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 15:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 15:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 15:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 15:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 15:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/24/22 10:33	05/24/22 15:57	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/24/22 10:33	05/24/22 15:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 17:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 17:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/24/22 11:05	05/24/22 17:19	1
o-Terphenyl	107		70 - 130	05/24/22 11:05	05/24/22 17:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.6		4.98		mg/Kg			05/27/22 06:25	1

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-15088-10

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 16:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 16:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 16:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 16:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 16:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/24/22 10:33	05/24/22 16:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/24/22 10:33	05/24/22 16:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-15088-10

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 17:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 17:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/24/22 11:05	05/24/22 17:40	1
o-Terphenyl	93		70 - 130				05/24/22 11:05	05/24/22 17:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		4.95		mg/Kg			05/27/22 06:33	1

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-15088-11

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 17:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 17:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 17:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 10:33	05/24/22 17:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 17:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 10:33	05/24/22 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/24/22 10:33	05/24/22 17:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/24/22 10:33	05/24/22 17:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 18:20	1
Diesel Range Organics (Over C10-C28)	50.5		50.0		mg/Kg		05/24/22 11:05	05/24/22 18:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-15088-11

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	43	S1-	70 - 130				05/24/22 11:05	05/24/22 18:20	1
o-Terphenyl	93		70 - 130				05/24/22 11:05	05/24/22 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		5.03		mg/Kg			05/27/22 06:40	1

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-15088-12

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 10:33	05/24/22 18:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/24/22 10:33	05/24/22 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				05/24/22 10:33	05/24/22 18:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130				05/24/22 10:33	05/24/22 18:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 18:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 18:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/24/22 11:05	05/24/22 18:41	1
o-Terphenyl	92		70 - 130				05/24/22 11:05	05/24/22 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.9		4.99		mg/Kg			05/27/22 06:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-15088-13

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 10:33	05/24/22 18:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 18:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 10:33	05/24/22 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/24/22 10:33	05/24/22 18:21	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/24/22 10:33	05/24/22 18:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 19:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 19:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	05/24/22 11:05	05/24/22 19:01	1
o-Terphenyl	97		70 - 130	05/24/22 11:05	05/24/22 19:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.8		4.96		mg/Kg			05/27/22 06:56	1

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15088-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 18:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 18:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 18:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 18:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 18:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/24/22 10:33	05/24/22 18:42	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/24/22 10:33	05/24/22 18:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15088-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 19:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 19:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/24/22 11:05	05/24/22 19:21	1
o-Terphenyl	97		70 - 130				05/24/22 11:05	05/24/22 19:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		4.95		mg/Kg			05/27/22 07:04	1

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-15088-15

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 19:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 19:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 19:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 19:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 19:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/24/22 10:33	05/24/22 19:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/24/22 10:33	05/24/22 19:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 19:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-15088-15

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				05/24/22 11:05	05/24/22 19:42	1
o-Terphenyl	86		70 - 130				05/24/22 11:05	05/24/22 19:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.00		mg/Kg			05/27/22 07:28	1

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-15088-16

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 19:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 19:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 19:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 19:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 10:33	05/24/22 19:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 10:33	05/24/22 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/24/22 10:33	05/24/22 19:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/24/22 10:33	05/24/22 19:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/24/22 11:05	05/24/22 20:02	1
o-Terphenyl	93		70 - 130				05/24/22 11:05	05/24/22 20:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		5.00		mg/Kg			05/27/22 07:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-15088-17

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 19:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 19:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 19:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 10:33	05/24/22 19:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 10:33	05/24/22 19:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 10:33	05/24/22 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/24/22 10:33	05/24/22 19:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/24/22 10:33	05/24/22 19:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/24/22 11:05	05/24/22 20:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/22 11:05	05/24/22 20:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/22 11:05	05/24/22 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	05/24/22 11:05	05/24/22 20:22	1
o-Terphenyl	91		70 - 130	05/24/22 11:05	05/24/22 20:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.1		4.97		mg/Kg			05/27/22 08:09	1

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-15088-18

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 10:33	05/24/22 20:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 10:33	05/24/22 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/24/22 10:33	05/24/22 20:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/24/22 10:33	05/24/22 20:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-15088-18

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 20:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 20:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/24/22 11:05	05/24/22 20:42	1
o-Terphenyl	97		70 - 130				05/24/22 11:05	05/24/22 20:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		5.00		mg/Kg			05/27/22 08:16	1

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-15088-19

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 10:33	05/24/22 20:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 20:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/24/22 10:33	05/24/22 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/24/22 10:33	05/24/22 20:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/24/22 10:33	05/24/22 20:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 21:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:05	05/24/22 21:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-15088-19

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 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		05/24/22 11:05	05/24/22 21:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/24/22 11:05	05/24/22 21:02	1
o-Terphenyl	93		70 - 130				05/24/22 11:05	05/24/22 21:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		4.99		mg/Kg			05/27/22 08:24	1

Client Sample ID: H-20 (0-0.5')

Lab Sample ID: 880-15088-20

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 20:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 20:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 20:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 20:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 10:33	05/24/22 20:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 10:33	05/24/22 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/24/22 10:33	05/24/22 20:44	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/24/22 10:33	05/24/22 20:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 21:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 21:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/24/22 11:05	05/24/22 21:23	1
o-Terphenyl	95		70 - 130				05/24/22 11:05	05/24/22 21:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		5.01		mg/Kg			05/27/22 08:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-21 (0-0.5')

Lab Sample ID: 880-15088-21

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 16:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 16:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 16:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 13:19	05/24/22 16:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 16:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 13:19	05/24/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/24/22 13:19	05/24/22 16:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/24/22 13:19	05/24/22 16:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/22 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 20:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 20:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 11:09	05/24/22 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	05/24/22 11:09	05/24/22 20:42	1
o-Terphenyl	88		70 - 130	05/24/22 11:09	05/24/22 20:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.3		5.04		mg/Kg			05/27/22 08:40	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-15088-1	H-1 (0-0.5')	111	95				
880-15088-1 MS	H-1 (0-0.5')	113	95				
880-15088-1 MSD	H-1 (0-0.5')	109	92				
880-15088-2	H-2 (0-0.5')	107	97				
880-15088-3	H-3 (0-0.5')	111	96				
880-15088-4	H-4 (0-0.5')	112	95				
880-15088-5	H-5 (0-0.5')	97	86				
880-15088-6	H-6 (0-0.5')	111	94				
880-15088-7	H-7 (0-0.5')	117	96				
880-15088-8	H-8 (0-0.5')	117	94				
880-15088-9	H-9 (0-0.5')	117	97				
880-15088-10	H-10 (0-0.5')	121	94				
880-15088-11	H-11 (0-0.5')	115	95				
880-15088-12	H-12 (0-0.5')	116	98				
880-15088-13	H-13 (0-0.5')	111	96				
880-15088-14	H-14 (0-0.5')	120	97				
880-15088-15	H-15 (0-0.5')	115	95				
880-15088-16	H-16 (0-0.5')	115	96				
880-15088-17	H-17 (0-0.5')	115	96				
880-15088-18	H-18 (0-0.5')	118	95				
880-15088-19	H-19 (0-0.5')	119	96				
880-15088-20	H-20 (0-0.5')	119	96				
880-15088-21	H-21 (0-0.5')	107	93				
LCS 880-26170/1-A	Lab Control Sample	114	97				
LCSD 880-26170/2-A	Lab Control Sample Dup	110	95				
MB 880-26170/5-B	Method Blank	107	90				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-15087-A-1-B MS	Matrix Spike	83	74				
880-15087-A-1-C MSD	Matrix Spike Duplicate	83	74				
880-15088-1	H-1 (0-0.5')	94	96				
880-15088-1 MS	H-1 (0-0.5')	90	80				
880-15088-1 MSD	H-1 (0-0.5')	101	91				
880-15088-2	H-2 (0-0.5')	87	91				
880-15088-3	H-3 (0-0.5')	99	102				
880-15088-4	H-4 (0-0.5')	107	111				
880-15088-5	H-5 (0-0.5')	90	94				
880-15088-6	H-6 (0-0.5')	100	103				
880-15088-7	H-7 (0-0.5')	89	90				
880-15088-8	H-8 (0-0.5')	103	105				
880-15088-9	H-9 (0-0.5')	101	107				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-15088-1

Project/Site: Dump Yard 2 State 1H (04.22.22)

SDG: Eddy Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15088-10	H-10 (0-0.5')	88	93
880-15088-11	H-11 (0-0.5')	43 S1-	93
880-15088-12	H-12 (0-0.5')	90	92
880-15088-13	H-13 (0-0.5')	93	97
880-15088-14	H-14 (0-0.5')	90	97
880-15088-15	H-15 (0-0.5')	83	86
880-15088-16	H-16 (0-0.5')	90	93
880-15088-17	H-17 (0-0.5')	86	91
880-15088-18	H-18 (0-0.5')	93	97
880-15088-19	H-19 (0-0.5')	88	93
880-15088-20	H-20 (0-0.5')	91	95
880-15088-21	H-21 (0-0.5')	85	88
LCS 880-26175/2-A	Lab Control Sample	480 S1+	468 S1+
LCS 880-26176/2-A	Lab Control Sample	476 S1+	470 S1+
LCSD 880-26175/3-A	Lab Control Sample Dup	538 S1+	532 S1+
LCSD 880-26176/3-A	Lab Control Sample Dup	443 S1+	446 S1+
MB 880-26175/1-A	Method Blank	118	127
MB 880-26176/1-A	Method Blank	102	110

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26170/5-B

Matrix: Solid

Analysis Batch: 26158

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 12:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 12:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 12:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 10:33	05/24/22 12:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 10:33	05/24/22 12:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 10:33	05/24/22 12:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/24/22 10:33	05/24/22 12:51	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/24/22 10:33	05/24/22 12:51	1

Lab Sample ID: LCS 880-26170/1-A

Matrix: Solid

Analysis Batch: 26158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07686		mg/Kg		77	70 - 130
Toluene	0.100	0.09124		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09705		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2079		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-26170/2-A

Matrix: Solid

Analysis Batch: 26158

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26170

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08220		mg/Kg		82	70 - 130	7	35
Toluene	0.100	0.09450		mg/Kg		95	70 - 130	4	35
Ethylbenzene	0.100	0.09945		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130	3	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-15088-1 MS

Matrix: Solid

Analysis Batch: 26158

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 26170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.101	0.06871	F1	mg/Kg		68	70 - 130
Toluene	<0.00199	U	0.101	0.08503		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15088-1 MS

Matrix: Solid

Analysis Batch: 26158

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 26170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.101	0.09356		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2020		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.101	0.1016		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-15088-1 MSD

Matrix: Solid

Analysis Batch: 26158

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 26170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.05923	F1	mg/Kg		59	70 - 130	15	35
Toluene	<0.00199	U	0.100	0.06984		mg/Kg		70	70 - 130	20	35
Ethylbenzene	<0.00199	U	0.100	0.07155		mg/Kg		71	70 - 130	27	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1474		mg/Kg		74	70 - 130	31	35
o-Xylene	<0.00199	U	0.100	0.07731		mg/Kg		77	70 - 130	27	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-26175/1-A

Matrix: Solid

Analysis Batch: 26160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26175

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 12:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 12:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:05	05/24/22 12:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	05/24/22 11:05	05/24/22 12:30	1
o-Terphenyl	127		70 - 130	05/24/22 11:05	05/24/22 12:30	1

Lab Sample ID: LCS 880-26175/2-A

Matrix: Solid

Analysis Batch: 26160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	893.6		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	911.9		mg/Kg		91	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCS 880-26175/2-A

Matrix: Solid

Analysis Batch: 26160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26175

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	480	S1+	70 - 130
o-Terphenyl	468	S1+	70 - 130

Lab Sample ID: LCSD 880-26175/3-A

Matrix: Solid

Analysis Batch: 26160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26175

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1045		mg/Kg		105	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	1035		mg/Kg		103	70 - 130	13	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	538	S1+	70 - 130
o-Terphenyl	532	S1+	70 - 130

Lab Sample ID: 880-15088-1 MS

Matrix: Solid

Analysis Batch: 26160

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 26175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	908.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	832.6		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-15088-1 MSD

Matrix: Solid

Analysis Batch: 26160

Client Sample ID: H-1 (0-0.5')

Prep Type: Total/NA

Prep Batch: 26175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	981.0		mg/Kg		98	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	954.5		mg/Kg		96	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	91		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

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

Lab Sample ID: MB 880-26176/1-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 12:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 12:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 11:09	05/24/22 12:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/24/22 11:09	05/24/22 12:30	1
o-Terphenyl	110		70 - 130				05/24/22 11:09	05/24/22 12:30	1

Lab Sample ID: LCS 880-26176/2-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	878.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	987.9		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	476	S1+	70 - 130				
o-Terphenyl	470	S1+	70 - 130				

Lab Sample ID: LCSD 880-26176/3-A

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	878.4		mg/Kg		88	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	909.8		mg/Kg		91	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	443	S1+	70 - 130						
o-Terphenyl	446	S1+	70 - 130						

Lab Sample ID: 880-15087-A-1-B MS

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1077		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	996.5		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-15087-A-1-B MS

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 26176

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

Lab Sample ID: 880-15087-A-1-C MSD

Matrix: Solid

Analysis Batch: 26162

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 26176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1093		mg/Kg		107	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	997.8		mg/Kg		100	70 - 130	0	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26181/1-A

Matrix: Solid

Analysis Batch: 26240

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			05/27/22 00:21	1

Lab Sample ID: LCS 880-26181/2-A

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-26181/3-A

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.6		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-15087-A-11-D MS

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.4		249	285.3		mg/Kg		104	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-15087-A-11-E MSD

Matrix: Solid

Analysis Batch: 26240

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.4		249	285.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-26179/1-A

Matrix: Solid

Analysis Batch: 26245

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			05/27/22 04:50	1

Lab Sample ID: LCS 880-26179/2-A

Matrix: Solid

Analysis Batch: 26245

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.6		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-26179/3-A

Matrix: Solid

Analysis Batch: 26245

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	262.1		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-15088-4 MS

Matrix: Solid

Analysis Batch: 26245

Client Sample ID: H-4 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13.8		251	275.7		mg/Kg		105	90 - 110

Lab Sample ID: 880-15088-4 MSD

Matrix: Solid

Analysis Batch: 26245

Client Sample ID: H-4 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.8		251	275.6		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-15088-14 MS

Matrix: Solid

Analysis Batch: 26245

Client Sample ID: H-14 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	18.1		248	276.6		mg/Kg		104	90 - 110

Lab Sample ID: 880-15088-14 MSD

Matrix: Solid

Analysis Batch: 26245

Client Sample ID: H-14 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	18.1		248	278.3		mg/Kg		105	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26345/1-A

Matrix: Solid

Analysis Batch: 26366

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			05/26/22 14:39	1

Lab Sample ID: LCS 880-26345/2-A

Matrix: Solid

Analysis Batch: 26366

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-26345/3-A

Matrix: Solid

Analysis Batch: 26366

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	245.0		mg/Kg		98	90 - 110	3	20

Lab Sample ID: 880-15204-A-2-B MS

Matrix: Solid

Analysis Batch: 26366

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	833		253	1096		mg/Kg		104	90 - 110

Lab Sample ID: 880-15204-A-2-C MSD

Matrix: Solid

Analysis Batch: 26366

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	833		253	1080		mg/Kg		98	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

GC VOA

Analysis Batch: 26075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-21	H-21 (0-0.5')	Total/NA	Solid	8021B	26100

Prep Batch: 26100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-21	H-21 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 26158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-2	H-2 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-3	H-3 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-4	H-4 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-5	H-5 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-6	H-6 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-7	H-7 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-8	H-8 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-9	H-9 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-10	H-10 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-11	H-11 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-12	H-12 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-13	H-13 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-14	H-14 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-15	H-15 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-16	H-16 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-17	H-17 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-18	H-18 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-19	H-19 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-20	H-20 (0-0.5')	Total/NA	Solid	8021B	26170
MB 880-26170/5-B	Method Blank	Total/NA	Solid	8021B	26170
LCS 880-26170/1-A	Lab Control Sample	Total/NA	Solid	8021B	26170
LCSD 880-26170/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26170
880-15088-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	26170
880-15088-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	26170

Prep Batch: 26170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-15088-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-15088-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-15088-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-15088-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-15088-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-15088-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-15088-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-15088-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-15088-10	H-10 (0-0.5')	Total/NA	Solid	5035	
880-15088-11	H-11 (0-0.5')	Total/NA	Solid	5035	
880-15088-12	H-12 (0-0.5')	Total/NA	Solid	5035	
880-15088-13	H-13 (0-0.5')	Total/NA	Solid	5035	
880-15088-14	H-14 (0-0.5')	Total/NA	Solid	5035	
880-15088-15	H-15 (0-0.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

GC VOA (Continued)

Prep Batch: 26170 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-16	H-16 (0-0.5')	Total/NA	Solid	5035	
880-15088-17	H-17 (0-0.5')	Total/NA	Solid	5035	
880-15088-18	H-18 (0-0.5')	Total/NA	Solid	5035	
880-15088-19	H-19 (0-0.5')	Total/NA	Solid	5035	
880-15088-20	H-20 (0-0.5')	Total/NA	Solid	5035	
MB 880-26170/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-26170/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26170/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15088-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-15088-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 26206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-11	H-11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-12	H-12 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-13	H-13 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-14	H-14 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-15	H-15 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-16	H-16 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-17	H-17 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-18	H-18 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-19	H-19 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-20	H-20 (0-0.5')	Total/NA	Solid	Total BTEX	
880-15088-21	H-21 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 26160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-11	H-11 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-12	H-12 (0-0.5')	Total/NA	Solid	8015B NM	26175

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
 SDG: Eddy Co. NM

GC Semi VOA (Continued)

Analysis Batch: 26160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-13	H-13 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-14	H-14 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-15	H-15 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-16	H-16 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-17	H-17 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-18	H-18 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-19	H-19 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-20	H-20 (0-0.5')	Total/NA	Solid	8015B NM	26175
MB 880-26175/1-A	Method Blank	Total/NA	Solid	8015B NM	26175
LCS 880-26175/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26175
LCSD 880-26175/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26175
880-15088-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	26175
880-15088-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	26175

Analysis Batch: 26162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-21	H-21 (0-0.5')	Total/NA	Solid	8015B NM	26176
MB 880-26176/1-A	Method Blank	Total/NA	Solid	8015B NM	26176
LCS 880-26176/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26176
LCSD 880-26176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26176
880-15087-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	26176
880-15087-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26176

Prep Batch: 26175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-11	H-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-12	H-12 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-13	H-13 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-14	H-14 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-15	H-15 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-16	H-16 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-17	H-17 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-18	H-18 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-19	H-19 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-20	H-20 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-26175/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26175/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26175/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15088-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-15088-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

GC Semi VOA

Prep Batch: 26176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-21	H-21 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-26176/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26176/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15087-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15087-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-11	H-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-12	H-12 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-13	H-13 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-14	H-14 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-15	H-15 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-16	H-16 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-17	H-17 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-18	H-18 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-19	H-19 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-20	H-20 (0-0.5')	Total/NA	Solid	8015 NM	
880-15088-21	H-21 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-11	H-11 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-12	H-12 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-13	H-13 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-14	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-15	H-15 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-16	H-16 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-17	H-17 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-18	H-18 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-19	H-19 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
 SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 26179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-20	H-20 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-21	H-21 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-26179/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26179/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15088-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-14 MS	H-14 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-14 MSD	H-14 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 26181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-15088-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-26181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15087-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15087-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 26240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-1	H-1 (0-0.5')	Soluble	Solid	300.0	26181
880-15088-2	H-2 (0-0.5')	Soluble	Solid	300.0	26181
MB 880-26181/1-A	Method Blank	Soluble	Solid	300.0	26181
LCS 880-26181/2-A	Lab Control Sample	Soluble	Solid	300.0	26181
LCSD 880-26181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26181
880-15087-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	26181
880-15087-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	26181

Analysis Batch: 26245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-4	H-4 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-5	H-5 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-6	H-6 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-7	H-7 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-8	H-8 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-9	H-9 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-10	H-10 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-11	H-11 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-12	H-12 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-13	H-13 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-14	H-14 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-15	H-15 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-16	H-16 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-17	H-17 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-18	H-18 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-19	H-19 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-20	H-20 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-21	H-21 (0-0.5')	Soluble	Solid	300.0	26179
MB 880-26179/1-A	Method Blank	Soluble	Solid	300.0	26179

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QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

HPLC/IC (Continued)

Analysis Batch: 26245 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-26179/2-A	Lab Control Sample	Soluble	Solid	300.0	26179
LCSD 880-26179/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26179
880-15088-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-14 MS	H-14 (0-0.5')	Soluble	Solid	300.0	26179
880-15088-14 MSD	H-14 (0-0.5')	Soluble	Solid	300.0	26179

Leach Batch: 26345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-26345/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26345/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26345/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15204-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15204-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 26366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15088-3	H-3 (0-0.5')	Soluble	Solid	300.0	26345
MB 880-26345/1-A	Method Blank	Soluble	Solid	300.0	26345
LCS 880-26345/2-A	Lab Control Sample	Soluble	Solid	300.0	26345
LCSD 880-26345/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26345
880-15204-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	26345
880-15204-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	26345

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-15088-1

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 13:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 13:36	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 04:03	CH	XEN MID

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-15088-2

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 13:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 14:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26181	05/24/22 12:59	SC	XEN MID
Soluble	Analysis	300.0		1			26240	05/27/22 04:11	CH	XEN MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-15088-3

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 13:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26345	05/26/22 11:04	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	26366	05/26/22 16:00	CH	XEN MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-15088-4

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 14:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-15088-4

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 15:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 05:14	CH	XEN MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-15088-5

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 14:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 15:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 05:37	CH	XEN MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-15088-6

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 14:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 16:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 05:45	CH	XEN MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-15088-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 15:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 16:33	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-15088-7

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 05:53	CH	XEN MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-15088-8

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 15:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 06:01	CH	XEN MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-15088-9

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 15:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 06:25	CH	XEN MID

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-15088-10

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 16:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 17:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 06:33	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-11 (0-0.5')

Lab Sample ID: 880-15088-11

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 17:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 06:40	CH	XEN MID

Client Sample ID: H-12 (0-0.5')

Lab Sample ID: 880-15088-12

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 18:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 06:48	CH	XEN MID

Client Sample ID: H-13 (0-0.5')

Lab Sample ID: 880-15088-13

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 18:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 19:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 06:56	CH	XEN MID

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15088-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 18:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-14 (0-0.5')

Lab Sample ID: 880-15088-14

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 19:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 07:04	CH	XEN MID

Client Sample ID: H-15 (0-0.5')

Lab Sample ID: 880-15088-15

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 19:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 07:28	CH	XEN MID

Client Sample ID: H-16 (0-0.5')

Lab Sample ID: 880-15088-16

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep 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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 19:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 20:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 07:36	CH	XEN MID

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-15088-17

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 19:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 20:22	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-17 (0-0.5')

Lab Sample ID: 880-15088-17

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 08:09	CH	XEN MID

Client Sample ID: H-18 (0-0.5')

Lab Sample ID: 880-15088-18

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 20:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 20:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 08:16	CH	XEN MID

Client Sample ID: H-19 (0-0.5')

Lab Sample ID: 880-15088-19

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 20:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 21:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 08:24	CH	XEN MID

Client Sample ID: H-20 (0-0.5')

Lab Sample ID: 880-15088-20

Date Collected: 05/23/22 00:00

Matrix: Solid

Date Received: 05/24/22 10:02

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	26170	05/24/22 10:33	MR	XEN MID
Total/NA	Analysis	8021B		1			26158	05/24/22 20:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26175	05/24/22 11:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26160	05/24/22 21:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 08:32	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Client Sample ID: H-21 (0-0.5')
Date Collected: 05/23/22 00:00
Date Received: 05/24/22 10:02

Lab Sample ID: 880-15088-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 16:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26206	05/24/22 17:18	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26224	05/25/22 09:10	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26176	05/24/22 11:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26162	05/24/22 20:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26179	05/24/22 12:54	SC	XEN MID
Soluble	Analysis	300.0		1			26245	05/27/22 08:40	CH	XEN MID

Laboratory References:
XEN 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 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
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 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15088-1
SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15088-1	H-1 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-2	H-2 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-3	H-3 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-4	H-4 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-5	H-5 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-6	H-6 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-7	H-7 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-8	H-8 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-9	H-9 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-10	H-10 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-11	H-11 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-12	H-12 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-13	H-13 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-14	H-14 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-15	H-15 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-16	H-16 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-17	H-17 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-18	H-18 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-19	H-19 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-20	H-20 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02
880-15088-21	H-21 (0-0.5')	Solid	05/23/22 00:00	05/24/22 10:02

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Work Order No: 15008

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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 88256
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Perfund
State of Project:	
Reporting Level II	☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other

Project Name		Dump Yard 2 State 1H (04 22 22)		Turn Around			ANALYSIS REQUEST												Preservative Codes	
Project Number	1061			☐ Routine	☒ Rush												None NO	DI Water H ₂ O		
Project Location	Eddy Co. NM			Due Date	72 Hrs												Cool Cool	MeOH Me		
Sampler's Name	CRM/MC			TAT starts the day received by the lab if received by 4 30pm													HCL HC	HNO ₃ HN		
PO #:																	H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT				Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐												H ₃ PO ₄ HP	
Received Intact:	☒ Yes ☐ No			Thermometer ID														NaHSO ₄ NABIS		
Cooler Custody Seals	☒ Yes ☐ No ☒ N/A			Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals	☒ Yes ☐ No ☒ N/A			Temperature Reading														Zn Acetate+NaOH Zn		
Total Containers				Corrected Temperature	.2													NaOH+Ascorbic Acid S APC		
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters								Sample Comments		
H-1 (0-0 5')				5/23/2022		X		G	1	BTEX 8021B										
H-2 (0-0 5')				5/23/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)										
H-3 (0-0 5')				5/23/2022		X		G	1	Chloride 300.0										
H-4 (0-0 5')				5/23/2022		X		G	1											
H-5 (0-0 5')				5/23/2022		X		G	1											
H-6 (0-0 5')				5/23/2022		X		G	1											
H-7 (0-0 5')				5/23/2022		X		G	1											
H-8 (0-0 5')				5/23/2022		X		G	1											
H-9 (0-0 5')				5/23/2022		X		G	1											
H-10 (0-0 5')				5/23/2022		X		G	1											



880-15086 Chain of Custody



Comments:

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		10-02-2022			

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Work Order No: 15088

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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 88256
Phone	432-813-6823	Email	jacqui.harris@comocophillips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Dump Yard 2 State 1H (04 22 22)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number	1061	Due Date	72 Hrs												None NO ☐ DI Water H ₂ O ☐			
Project Location	Eddy Co. NM	TAT starts the day received by the lab if received by 4:30pm													Cool Cool ☐ MeOH Me ☐			
Sampler's Name	CRM/MC														HCL HC ☐ HNO ₃ HN ☐			
PO #															H ₂ SO ₄ H ₂ ☐ NaOH Na ☐			
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐											H ₃ PO ₄ HP ☐		
Received Intact	Yes ☒ No ☐	Thermometer ID		Correction Factor												NaHSO ₄ NABIS ☐		
Cooler Custody Seals	Yes ☒ No ☐	Temperature Reading		Corrected Temperature												Na ₂ S ₂ O ₃ NaSO ₃ ☐		
Sample Custody Seals	Yes ☒ No ☐															Zn Acetate+NaOH Zn ☐		
Total Containers																NaOH+Ascorbic Acid SAPC ☐		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B										Sample Comments	
H-11 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-12 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-13 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-14 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-15 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-16 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-17 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-18 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-19 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-20 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			
H-21 (0-0.5')	5/23/2022		X		G	1	X	X	X	X	X	X	X	X	X			

Comments:

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15088-1

SDG Number: Eddy Co. NM

Login Number: 15088

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	



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-15812-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Dump Yard 2 State 1H (04.22.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

6/15/2022 10:18:06 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Laboratory Job ID: 880-15812-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Job ID: 880-15812-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-15812-1**

Receipt

The samples were received on 6/14/2022 8:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27492 and analytical batch 880-27512 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-2 (2.5') (880-15812-2). Evidence of matrix interferences is not obvious. Re-preparation and/or re-analysis was not performed as the holding time had expired.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27511 and analytical batch 880-27545 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-15812-1

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/14/22 10:17	06/14/22 23:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/14/22 10:17	06/14/22 23:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/14/22 10:17	06/14/22 23:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/14/22 10:17	06/14/22 23:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/14/22 10:17	06/14/22 23:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/14/22 10:17	06/14/22 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/14/22 10:17	06/14/22 23:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/14/22 10:17	06/14/22 23:15	1

Method: 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			06/15/22 09:34	1

Method: 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			06/15/22 09:18	1

Method: 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		06/14/22 08:41	06/14/22 19:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 19:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/14/22 08:41	06/14/22 19:09	1
o-Terphenyl	98		70 - 130	06/14/22 08:41	06/14/22 19:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.7		5.00		mg/Kg			06/15/22 03:52	1

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-15812-2

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/14/22 23:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/14/22 23:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/14/22 23:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/14/22 10:17	06/14/22 23:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/14/22 23:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/14/22 10:17	06/14/22 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/14/22 10:17	06/14/22 23:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/14/22 10:17	06/14/22 23:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-15812-2

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 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			06/15/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.7		49.9		mg/Kg			06/15/22 09:18	1

Method: 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		06/14/22 08:41	06/14/22 19:31	1
Diesel Range Organics (Over C10-C28)	85.7		49.9		mg/Kg		06/14/22 08:41	06/14/22 19:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/14/22 08:41	06/14/22 19:31	1
o-Terphenyl	0.1	S1-	70 - 130				06/14/22 08:41	06/14/22 19:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		5.00		mg/Kg			06/15/22 04:01	1

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-15812-3

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/14/22 23:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/14/22 23:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/14/22 23:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/22 10:17	06/14/22 23:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/14/22 23:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/22 10:17	06/14/22 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/14/22 10:17	06/14/22 23:56	1
1,4-Difluorobenzene (Surr)	83		70 - 130				06/14/22 10:17	06/14/22 23:56	1

Method: 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			06/15/22 09:34	1

Method: 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			06/15/22 09:18	1

Method: 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		06/14/22 08:41	06/14/22 19:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/22 08:41	06/14/22 19:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-15812-3

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 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		06/14/22 08:41	06/14/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/14/22 08:41	06/14/22 19:53	1
o-Terphenyl	101		70 - 130				06/14/22 08:41	06/14/22 19:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		5.04		mg/Kg			06/15/22 04:28	1

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-15812-4

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/15/22 00:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/15/22 00:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/15/22 00:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/22 10:17	06/15/22 00:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/22 10:17	06/15/22 00:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/22 10:17	06/15/22 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/14/22 10:17	06/15/22 00:17	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/14/22 10:17	06/15/22 00:17	1

Method: 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			06/15/22 09:34	1

Method: 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			06/15/22 09:18	1

Method: 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		06/14/22 08:41	06/14/22 20:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 20:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/14/22 08:41	06/14/22 20:14	1
o-Terphenyl	98		70 - 130				06/14/22 08:41	06/14/22 20:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.2		4.97		mg/Kg			06/15/22 04:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-15812-5

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/15/22 00:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/15/22 00:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/15/22 00:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/14/22 10:17	06/15/22 00:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/15/22 00:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/14/22 10:17	06/15/22 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/14/22 10:17	06/15/22 00:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/14/22 10:17	06/15/22 00:37	1

Method: 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			06/15/22 09:34	1

Method: 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			06/15/22 09:18	1

Method: 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		06/14/22 08:41	06/14/22 20:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/22 08:41	06/14/22 20:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/22 08:41	06/14/22 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/14/22 08:41	06/14/22 20:36	1
o-Terphenyl	98		70 - 130	06/14/22 08:41	06/14/22 20:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.3		4.96		mg/Kg			06/15/22 04:47	1

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-15812-6

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/15/22 00:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/15/22 00:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/15/22 00:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/14/22 10:17	06/15/22 00:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/14/22 10:17	06/15/22 00:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/14/22 10:17	06/15/22 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/14/22 10:17	06/15/22 00:58	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/14/22 10:17	06/15/22 00:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-15812-6

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Method: 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			06/15/22 09:34	1

Method: 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			06/15/22 09:18	1

Method: 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		06/14/22 08:41	06/14/22 20:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 20:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/22 08:41	06/14/22 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/14/22 08:41	06/14/22 20:58	1
o-Terphenyl	109		70 - 130				06/14/22 08:41	06/14/22 20:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		5.04		mg/Kg			06/15/22 04:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15805-A-1-D MS	Matrix Spike	104	99
880-15805-A-1-E MSD	Matrix Spike Duplicate	109	91
880-15812-1	CS-1 (2.5')	113	87
880-15812-2	CS-2 (2.5')	108	92
880-15812-3	SW-1 (2.5')	105	83
880-15812-4	SW-2 (2.5')	112	93
880-15812-5	SW-3 (2.5')	111	93
880-15812-6	SW-4 (2.5')	113	90
LCS 880-27492/1-A	Lab Control Sample	107	101
LCSD 880-27492/2-A	Lab Control Sample Dup	103	99
MB 880-27492/5-A	Method Blank	101	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15805-A-3-E MS	Matrix Spike	93	94
880-15805-A-3-F MSD	Matrix Spike Duplicate	90	96
880-15812-1	CS-1 (2.5')	84	98
880-15812-2	CS-2 (2.5')	87	0.1 S1-
880-15812-3	SW-1 (2.5')	90	101
880-15812-4	SW-2 (2.5')	86	98
880-15812-5	SW-3 (2.5')	88	98
880-15812-6	SW-4 (2.5')	96	109
LCS 880-27468/2-A	Lab Control Sample	89	94
LCSD 880-27468/3-A	Lab Control Sample Dup	86	94
MB 880-27468/1-A	Method Blank	93	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27492/5-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/14/22 10:17	06/14/22 16:13	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/14/22 10:17	06/14/22 16:13	1

Lab Sample ID: LCS 880-27492/1-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1106		mg/Kg		111	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2264		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-27492/2-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1009		mg/Kg		101	70 - 130	9	35
Toluene	0.100	0.09632		mg/Kg		96	70 - 130	11	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2081		mg/Kg		104	70 - 130	8	35
o-Xylene	0.100	0.1045		mg/Kg		105	70 - 130	8	35

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

Lab Sample ID: 880-15805-A-1-D MS

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.05015	F1	mg/Kg		50	70 - 130
Toluene	<0.00201	U F1 F2	0.100	0.03215	F1	mg/Kg		32	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15805-A-1-D MS

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.01914	F1	mg/Kg		19	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.03946	F1	mg/Kg		19	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.01557	F1	mg/Kg		16	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-15805-A-1-E MSD

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.04436	F1	mg/Kg		45	70 - 130	12	35
Toluene	<0.00201	U F1 F2	0.0996	0.1398	F1 F2	mg/Kg		140	70 - 130	125	35
Ethylbenzene	<0.00201	U F1	0.0996	0.02145	F1	mg/Kg		22	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.04445	F1	mg/Kg		21	70 - 130	12	35
o-Xylene	<0.00201	U F1	0.0996	0.01631	F1	mg/Kg		16	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-27468/1-A

Matrix: Solid

Analysis Batch: 27463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/14/22 08:41	06/14/22 11:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/22 08:41	06/14/22 11:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/22 08:41	06/14/22 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/14/22 08:41	06/14/22 11:20	1
o-Terphenyl	106		70 - 130	06/14/22 08:41	06/14/22 11:20	1

Lab Sample ID: LCS 880-27468/2-A

Matrix: Solid

Analysis Batch: 27463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.4		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1015		mg/Kg		101	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-27468/2-A

Matrix: Solid

Analysis Batch: 27463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27468

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-27468/3-A

Matrix: Solid

Analysis Batch: 27463

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27468

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	971.9		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-15805-A-3-E MS

Matrix: Solid

Analysis Batch: 27463

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27468

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	904.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	63.6		998	972.4		mg/Kg		91	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-15805-A-3-F MSD

Matrix: Solid

Analysis Batch: 27463

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27468

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	893.3		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	63.6		999	997.7		mg/Kg		94	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	96		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27511/1-A

Matrix: Solid

Analysis Batch: 27545

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			06/15/22 00:47	1

Lab Sample ID: LCS 880-27511/2-A

Matrix: Solid

Analysis Batch: 27545

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-27511/3-A

Matrix: Solid

Analysis Batch: 27545

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	260.1		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-15827-A-9-B MS

Matrix: Solid

Analysis Batch: 27545

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5000	F1	5010	10950	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-15827-A-9-C MSD

Matrix: Solid

Analysis Batch: 27545

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5000	F1	4990	10970	F1	mg/Kg		120	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 27492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-15812-2	CS-2 (2.5')	Total/NA	Solid	5035	
880-15812-3	SW-1 (2.5')	Total/NA	Solid	5035	
880-15812-4	SW-2 (2.5')	Total/NA	Solid	5035	
880-15812-5	SW-3 (2.5')	Total/NA	Solid	5035	
880-15812-6	SW-4 (2.5')	Total/NA	Solid	5035	
MB 880-27492/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15805-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-15805-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Total/NA	Solid	8021B	27492
880-15812-2	CS-2 (2.5')	Total/NA	Solid	8021B	27492
880-15812-3	SW-1 (2.5')	Total/NA	Solid	8021B	27492
880-15812-4	SW-2 (2.5')	Total/NA	Solid	8021B	27492
880-15812-5	SW-3 (2.5')	Total/NA	Solid	8021B	27492
880-15812-6	SW-4 (2.5')	Total/NA	Solid	8021B	27492
MB 880-27492/5-A	Method Blank	Total/NA	Solid	8021B	27492
LCS 880-27492/1-A	Lab Control Sample	Total/NA	Solid	8021B	27492
LCSD 880-27492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27492
880-15805-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	27492
880-15805-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27492

Analysis Batch: 27570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-15812-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	
880-15812-3	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-15812-4	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-15812-5	SW-3 (2.5')	Total/NA	Solid	Total BTEX	
880-15812-6	SW-4 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	27468
880-15812-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	27468
880-15812-3	SW-1 (2.5')	Total/NA	Solid	8015B NM	27468
880-15812-4	SW-2 (2.5')	Total/NA	Solid	8015B NM	27468
880-15812-5	SW-3 (2.5')	Total/NA	Solid	8015B NM	27468
880-15812-6	SW-4 (2.5')	Total/NA	Solid	8015B NM	27468
MB 880-27468/1-A	Method Blank	Total/NA	Solid	8015B NM	27468
LCS 880-27468/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27468
LCSD 880-27468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27468
880-15805-A-3-E MS	Matrix Spike	Total/NA	Solid	8015B NM	27468
880-15805-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27468

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 27468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-15812-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-15812-3	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-15812-4	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-15812-5	SW-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-15812-6	SW-4 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-27468/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27468/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15805-A-3-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15805-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-15812-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-15812-3	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-15812-4	SW-2 (2.5')	Total/NA	Solid	8015 NM	
880-15812-5	SW-3 (2.5')	Total/NA	Solid	8015 NM	
880-15812-6	SW-4 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-15812-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-15812-3	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-15812-4	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-15812-5	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-15812-6	SW-4 (2.5')	Soluble	Solid	DI Leach	
MB 880-27511/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27511/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27511/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15827-A-9-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15827-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 27545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15812-1	CS-1 (2.5')	Soluble	Solid	300.0	27511
880-15812-2	CS-2 (2.5')	Soluble	Solid	300.0	27511
880-15812-3	SW-1 (2.5')	Soluble	Solid	300.0	27511
880-15812-4	SW-2 (2.5')	Soluble	Solid	300.0	27511
880-15812-5	SW-3 (2.5')	Soluble	Solid	300.0	27511
880-15812-6	SW-4 (2.5')	Soluble	Solid	300.0	27511
MB 880-27511/1-A	Method Blank	Soluble	Solid	300.0	27511
LCS 880-27511/2-A	Lab Control Sample	Soluble	Solid	300.0	27511
LCSD 880-27511/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27511
880-15827-A-9-B MS	Matrix Spike	Soluble	Solid	300.0	27511
880-15827-A-9-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27511

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-15812-1

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Prep 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	27492	06/14/22 10:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/14/22 23:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27570	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27566	06/15/22 09:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27468	06/14/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27463	06/14/22 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 03:52	CH	XEN MID

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-15812-2

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Prep 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	27492	06/14/22 10:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/14/22 23:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27570	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27566	06/15/22 09:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27468	06/14/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27463	06/14/22 19:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 04:01	CH	XEN MID

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-15812-3

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

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	27492	06/14/22 10:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/14/22 23:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27570	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27566	06/15/22 09:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27468	06/14/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27463	06/14/22 19:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 04:28	CH	XEN MID

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-15812-4

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

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	27492	06/14/22 10:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 00:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27570	06/15/22 09:34	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-15812-4

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

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			27566	06/15/22 09:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27468	06/14/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27463	06/14/22 20:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 04:38	CH	XEN MID

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-15812-5

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Prep 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	27492	06/14/22 10:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 00:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27570	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27566	06/15/22 09:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27468	06/14/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27463	06/14/22 20:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 04:47	CH	XEN MID

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-15812-6

Date Collected: 06/13/22 00:00

Matrix: Solid

Date Received: 06/14/22 08:01

Prep 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	27492	06/14/22 10:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 00:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27570	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27566	06/15/22 09:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27468	06/14/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27463	06/14/22 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27511	06/14/22 13:24	SC	XEN MID
Soluble	Analysis	300.0		1			27545	06/15/22 04:56	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
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 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Dump Yard 2 State 1H (04.22.22)

Job ID: 880-15812-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15812-1	CS-1 (2.5')	Solid	06/13/22 00:00	06/14/22 08:01
880-15812-2	CS-2 (2.5')	Solid	06/13/22 00:00	06/14/22 08:01
880-15812-3	SW-1 (2.5')	Solid	06/13/22 00:00	06/14/22 08:01
880-15812-4	SW-2 (2.5')	Solid	06/13/22 00:00	06/14/22 08:01
880-15812-5	SW-3 (2.5')	Solid	06/13/22 00:00	06/14/22 08:01
880-15812-6	SW-4 (2.5')	Solid	06/13/22 00:00	06/14/22 08:01

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- 14

Copy of 3rd

Work Order No: 15812

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 88256	
Phone		432-813-6823		Email		jacqui.harris@conocophillips.com	

Project Name		Dump Yard 2 State 1H (04.22.22)		Turn Around		Pres. Code		ANALYSIS REQUEST							
Project Number		1061		☐ Routine ☒ Rush											
Project Location		Eddy Co NM		Due Date		24 Hrs									
Sampler's Name		CCM		TAT starts the day received by the lab, if received by 4:30pm											
PO #															

SAMPLE RECEIPT		Temp Blank		Yes ☒ No ☐		Wet Ice		Yes ☒ No ☐		Parameters							
Received Intact		Yes ☒ No ☐		Thermometer ID		12-8				BTX 8021B							
Cooler Custody Seals		Yes ☒ No ☐		Correction Factor		-1.2				TPH 8015M (GRO + DRO + MRO)							
Sample Custody Seals		Yes ☒ No ☐		Temperature Reading		3.4				Chloride 300.0							
Total Containers		C		Corrected Temperature		2.9											

Project Name		Dump Yard 2 State 1H (04.22.22)		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number	1061	☐ Routine	☒ Rush	Pres. Code													None NO	DI Water- H ₂ O			
Project Location	Eddy Co NM	Due Date	24 Hrs														Cool Cool	MeOH Me			
Sampler's Name:	CCM	TAT starts the day received by the lab, if received by 4 30pm															HCL HC	HNO ₃ HN			
PO #:																	H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT				Temp Blank.	Yes ☒ No ☒	Wet Ice.	Yes ☒ No ☒	Parameters										HOLD			
Received In tact:	Yes ☒ No ☒	Thermometer ID	Yes ☒ No ☒																		
Cooler Custody Seals.	Yes ☒ No ☒	Correction Factor	Yes ☒ No ☒																		
Sample Custody Seals	Yes ☒ No ☒	Temperature Reading	Yes ☒ No ☒																		
Total Containers	C	Corrected Temperature.	Corrected Temperature.																		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
CS-1 (2.5)		6/13/2022		X		Comp	1	X	X	X											
CS-2 (2.5)		6/13/2022		X		Comp	1	X	X	X											
SW-1 (2.5)		6/13/2022		X		Comp	1	X	X	X											
SW-2 (2.5)		6/13/2022		X		Comp	1	X	X	X											
SW-3 (2.5)		6/13/2022		X		Comp	1	X	X	X											
SW-4 (2.5)		6/13/2022		X		Comp	1	X	X	X											



880-15812 Chain of Custody

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
						6/14/22 8.31	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15812-1

SDG Number: Eddy Co, NM

Login Number: 15812

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

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

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

CONDITIONS

Action 127674

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 127674
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	9/16/2022