

CARMONA RESOURCES



SITE INFORMATION

Closure Report

Superman Water Treatment Facility (11.07.22)

Incident #NAPP2232629340

Lea County, New Mexico

Unit F Sec 30 T26S R32E

32.015500°, -103.716600°

Produced Water Release

Point of Release: Leak from 12" Lay Flat Line

Release Date: 11.07.22

Volume Released: 6.705 barrels of Produced Water

Volume Recovered: 0 barrels of Produced Water

CARMONA RESOURCES



Prepared for:

ConocoPhillips

600 West Illinois Avenue

Midland, Texas 79701

Prepared by:

Carmona Resources, LLC

310 West Wall Street

Suite 500

Midland, Texas 79701

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

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January 30, 2023

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

Re: Closure Report
Superman Water Treatment Facility (11.07.22)
ConocoPhillips
Site Location: Unit F, S30, T26S, R32E
(Lat 32.015500°, Long -103.716600°)
Lea County, New Mexico

To whom it may concern:

On behalf of ConocoPhillips (COP), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Superman Water Treatment Facility (11.07.22). The site is located at 32.015500°, -103.716600° within Unit F, S30, T26S, R32E, and in Lea 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 November 7, 2022, due to a leak that developed in a 12" lay flat line. It released approximately six-point-seven-zero-five (6.705) barrels of produced water, and zero (0) barrels were recovered. The impacted area occurred on the pad and migrated into the pasture, 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 high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.78 miles Southeast of the site in S31, T26S, R32E and was drilled in 1946. The well has a reported depth to groundwater of 295' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On December 19, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, six (6) sample points (S-1 through S-6) and eight (8) horizontal points (H-1 through H-8) were advanced to depths ranging from the surface to 1.5' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed



for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on January 16, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-2, S-3, and S-6 were excavated to a depth of 1.5' below the surface, and the area of S-5 was excavated to a depth of 0.5' below the surface to remove all the impacted soils. A total of twenty (20) floor confirmation samples were collected (CS-1 through CS-20), and sixteen (16) sidewall samples (SW-1 through SW-16) 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 and reclamation requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 160 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 Conoco formally requests closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

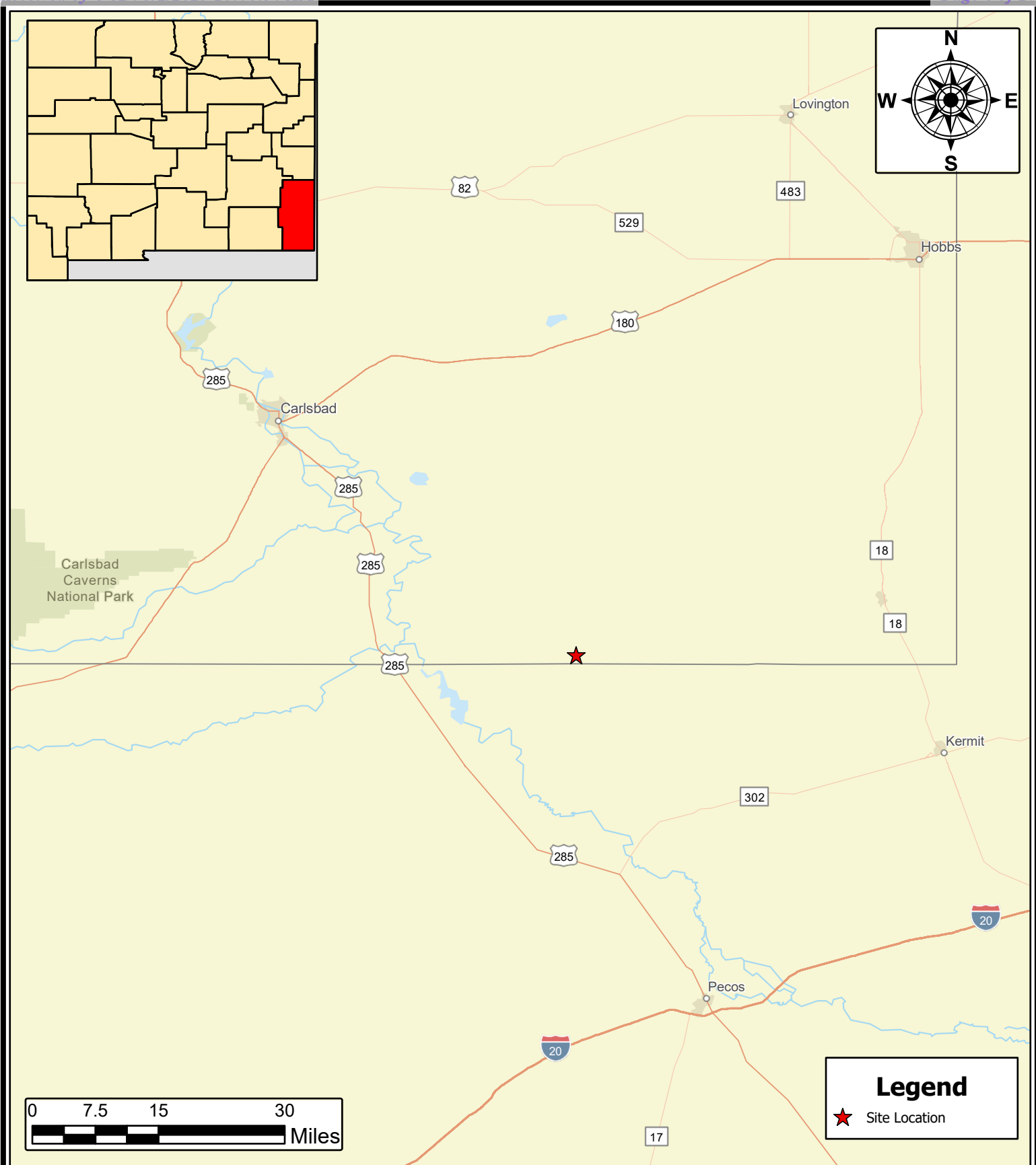
Mike Carmona
Environmental Manager

Clinton Merritt
Sr. Project Manager

FIGURES

CARMONA RESOURCES





**OVERVIEW MAP
CONOCO PHILLIPS**

SUPERMAN WATER TREATMENT FACILITY
LEA COUNTY, NEW MEXICO
32.015500, -103.716600

SCALE: As Shown

Date: 1/24/2023



Carmona Resources
310 West Wall Street, Suite 500
Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
CONOCO PHILLIPS
 SUPERMAN WATER TREATMENT FACILITY
 LEA COUNTY, NEW MEXICO
 32.015500, -103.716600

SCALE: As Shown Date: 1/24/2023

CARMONA RESOURCES

Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

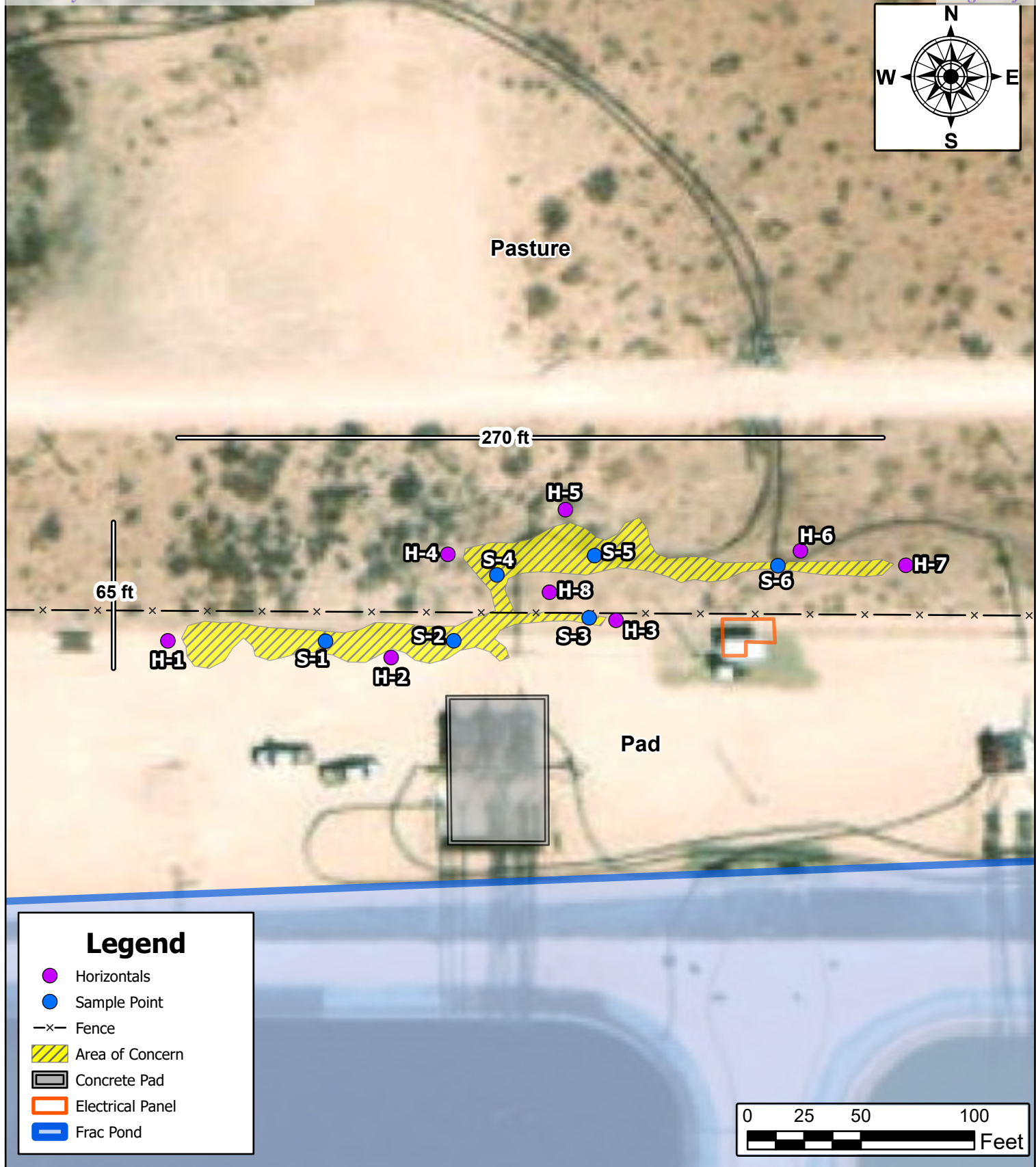
- Base Image: ESRI Maps & Data 2023
- Map Projection: WGS84

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
CONOCO PHILLIPS
SUPERMAN WATER TREATMENT FACILITY
LEA COUNTY, NEW MEXICO
32.015500, -103.716600

SCALE: As Shown

Date: 1/24/2023



Carmona Resources
310 West Wall Street, Suite 500
Midland, Texas 79701

NOTES:

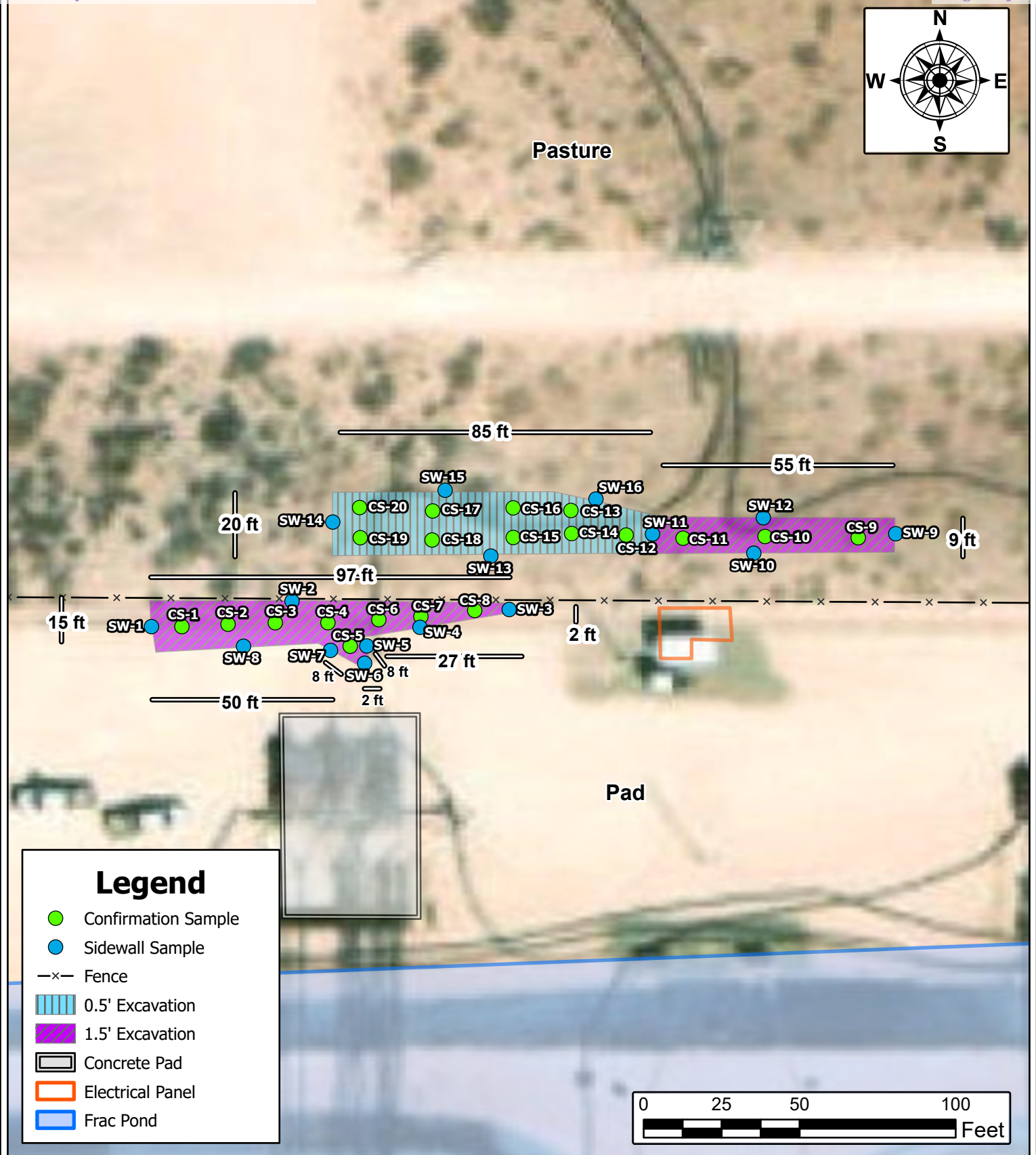
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
CONOCO PHILLIPS
 SUPERMAIN WATER TREATMENT FACILITY
 LEA COUNTY, NEW MEXICO
 32.015500, -103.716600

SCALE: As Shown

Date: 1/25/2023



Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

- Base Image: ESRI Maps & Data 2023
- Map Projection: WGS84

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Superman Water Treatment Facility (11.07.22)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/19/2022	0-0.25	<50.0	<50.0	81.4	81.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.6
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.9
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	127
S-2	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,810
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,890
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,570
S-3	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,730
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,720
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,580
S-4	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	188
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	224
	"	1.0	<50.0	<50.0	60.9	60.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
S-5	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	688
	"	0.5	<49.9	<49.9	58.6	58.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.24
S-6	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	196
	"	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	741
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,640
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.5
H-1	12/19/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	280
H-2	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	87.8
H-3	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	37.1
H-4	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.01
H-5	12/19/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.97
H-6	12/19/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
H-7	12/19/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
H-8	12/19/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.00
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 Point

 Removed

Table 2
Conoco Phillips
Superman Water Treatment Facility (11.07.22)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	1/18/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	46.1
CS-2	1/18/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	47
CS-3	1/18/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	74.4
CS-4	1/18/2023	1.5	<50.0	<73.3	<50.0	<73.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	67.5
CS-5	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.2
CS-6	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	69.1
CS-7	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.6
CS-8	1/20/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	58.4
CS-9	1/20/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	43.0
CS-10	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.1
CS-11	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	41.1
CS-12	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	73.9
CS-13	1/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
CS-14	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	69.4
CS-15	1/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	74.2
CS-16	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	81.6
CS-17	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	103
CS-18	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.8
CS-19	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	75.6
CS-20	1/20/2023	0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	78.0
SW-1	1/20/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	74.1
SW-2	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.6
SW-3	1/20/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	70.5
SW-4	1/20/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	79.2
SW-5	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	91.5
SW-6	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	54.5
SW-7	1/20/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	75.8
SW-8	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.8
SW-9	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.7
SW-10	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	51.2
SW-11	1/20/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	46.2
SW-12	1/20/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.0
SW-13	1/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	64.4
SW-14	1/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	82.8
SW-15	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	100
SW-16	1/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
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 Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**ConocoPhillips Operating, LLC****Photograph No. 1****Facility:** Superman Water Treatment Facility**County:** Lea County, New Mexico**Description:**

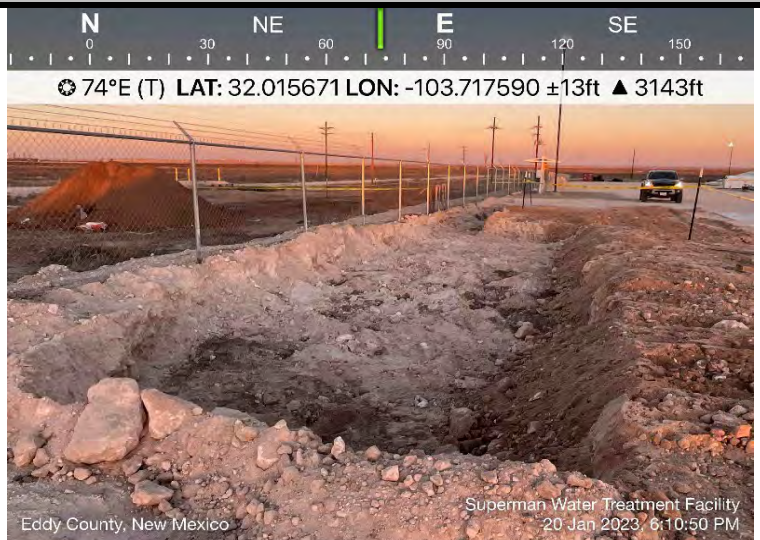
View West, area of confirmation samples (1-8).

**Photograph No. 2****Facility:** Superman Water Treatment Facility**County:** Lea County, New Mexico**Description:**

View West, area of confirmation samples (1-5).

**Photograph No. 3****Facility:** Superman Water Treatment Facility**County:** Lea County, New Mexico**Description:**

View East, area of confirmation samples (1-8).



PHOTOGRAPHIC LOG**ConocoPhillips Operating, LLC****Photograph No. 4****Facility:** Superman Water Treatment Facility**County:** Lea County, New Mexico**Description:**

View West, area of confirmation samples (9-20).

**Photograph No. 5****Facility:** Superman Water Treatment Facility**County:** Lea County, New Mexico**Description:**

View Southeast, area of confirmation samples (9-20).

**Photograph No. 6****Facility:** Superman Water Treatment Facility**County:** Lea County, New Mexico**Description:**

View Northeast, area of confirmation samples (9-20).



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: _____	Date: _____

L48 Spill Volume Estimate Form

Received by OCD: 3/2/2023 10:06:30 AM

Page 19 of 177

Facility Name & Number:	superman pond
Asset Area:	zia hills
Release Discovery Date & Time:	11/7/22 1am
Release Type:	Produced Water
Provide any known details about the event:	inlet lay fl; at to champion x treatment trailer

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	91.0	13.0	0.25	4	1183.000	0.005	1.097	0.000	1.097
Rectangle B	144.0	42.0	0.25	4	6048.000	0.005	5.607	0.000	5.608
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Released to Imaging: 3/10/2023 3:28:13 PM

Total Volume Release:

6.705

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: Justin Carlile Date: 01/31/2023

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/02/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Justin Carlile Date: 01/31/2023

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/02/2023

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

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Enviro, OCD, EMNRD
Sent: Tuesday, January 17, 2023 9:24 AM
To: Mike Carmona
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] COG - Superman Water Treatment Facility (11.07.22) 48- Hour Sampling Notification Incident No. NAPP2232629340

Mike,

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

JH

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



From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Monday, January 16, 2023 12:26 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Carlile, Justin <Justin.Carlile@conocophillips.com>; Miranda Milwee <MilweeM@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>
Subject: [EXTERNAL] COG - Superman Water Treatment Facility (11.07.22) 48- Hour Sampling Notification Incident No. NAPP2232629340

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

Good Afternoon,

On behalf of COG, Carmona Resources will collect confirmation samples for the remediation at the below-referenced site on 01/18/22 at around 5:00 p.m. Mountain Time. Please let me know if you have any questions.

COG - Superman Water Treatment Facility (11.07.22)
Incident No. NAPP2232629340

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



APPENDIX D

CARMONA RESOURCES

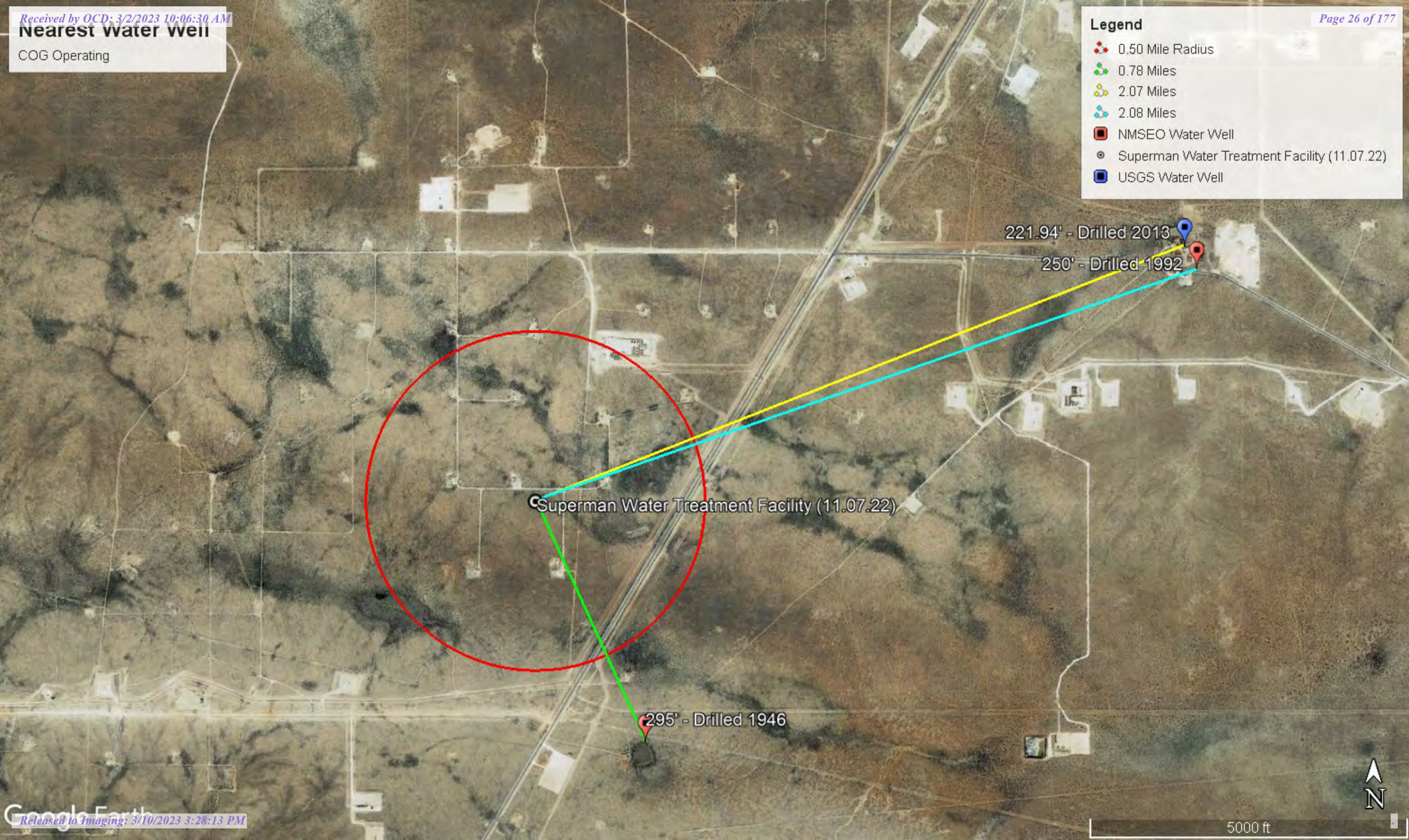


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.78 Miles
- 2.07 Miles
- 2.08 Miles
- NMSEO Water Well
- Superman Water Treatment Facility (11.07.22)
- USGS Water Well



Superman Water Treatment Facility (11.07.22)

221.94' - Drilled 2013

250' - Drilled 1992

295' - Drilled 1946

High Karst

COG Operating

Legend

High

Medium

Superman Water Treatment Facility (11.07.22)

Superman Water Treatment Facility (11.07.22)



N

2 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02274	CUB	LE		2	1	2	31	26S	32E	621742	3541730*	1261	300	295	5
C 03537 POD1	CUB	LE		3	2	3	21	26S	32E	624250	3543985	3239	850		
C 02271 POD2	CUB	LE		3	2	3	21	26S	32E	624348	3544010*	3339	270	250	20
C 02323	C	LE		3	2	3	21	26S	32E	624348	3544010*	3339	405	405	0
C 03595 POD1	CUB	LE		4	2	3	21	26S	32E	624423	3544045	3421	280	180	100
C 02271	R CUB	LE			2	3	21	26S	32E	624449	3544111*	3469	150	125	25

Average Depth to Water: **251 feet**

Minimum Depth: **125 feet**

Maximum Depth: **405 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 621208

Northing (Y): 3542873

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.

12/20/22 1:01 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	Tws	Rng		
C	02274	2	1	2	31	26S	32E	621742	3541730*
Driller License:		Driller Company:							
Driller Name:		UNKNOWN							
Drill Start Date:		Drill Finish Date:				12/31/1946			
Log File Date:		PCW Rev Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		6.38				Depth Well:			
						300 feet			
						Depth Water:			
						295 feet			

*UTM location was derived from PLSS - see Help

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

12/20/22 1:02 PM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320134103384101

Minimum number of levels = 1

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

USGS 320134103384101 26S.32E.21.32311

Lea County, New Mexico

Latitude 32°01'35.2", Longitude 103°41'01.8" NAD83

Land-surface elevation 3,130 feet above NAVD88

The depth of the well is 405 feet below land surface.

The depth of the hole is 405 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Dockum Group (231DCKM) 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
1993-06-16			D 62610		2723.41	NGVD29	1	L		
1993-06-16			D 62611		2725.00	NAVD88	1	L		
1993-06-16			D 72019	405.00			1	L		
2013-01-16	19:10 UTC	m	62610		2906.47	NGVD29	P	S	USGS	
2013-01-16	19:10 UTC	m	62611		2908.06	NAVD88	P	S	USGS	
2013-01-16	19:10 UTC	m	72019	221.94			P	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet

12/20/22, 2:06 PM

Section	Code	Description
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	L	Interpreted from geophysical logs.
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)[Feedback on this web site](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#)[FOIA](#)[Privacy](#)[Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for New Mexico: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-12-20 15:06:10 EST

0.33 0.3 nadww02



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		
C	02271 POD2	3	2	3	21	26S	32E	624348	3544010*		

Driller License:	208	Driller Company:	VAN NOY, W.L.								
Driller Name:	W.L. VAN NOY										
Drill Start Date:	08/28/1992	Drill Finish Date:	09/09/1992				Plug Date:				
Log File Date:	10/28/1992	PCW Rcv Date:					Source:	Shallow			
Pump Type:	SUBMER	Pipe Discharge Size:					Estimated Yield:	15 GPM			
Casing Size:	6.38	Depth Well:	270 feet				Depth Water:	250 feet			

		x		
Water Bearing Stratifications:		Top	Bottom	Description
		225	265	Sandstone/Gravel/Conglomerate

		x		
Casing Perforations:		Top	Bottom	
		205	265	

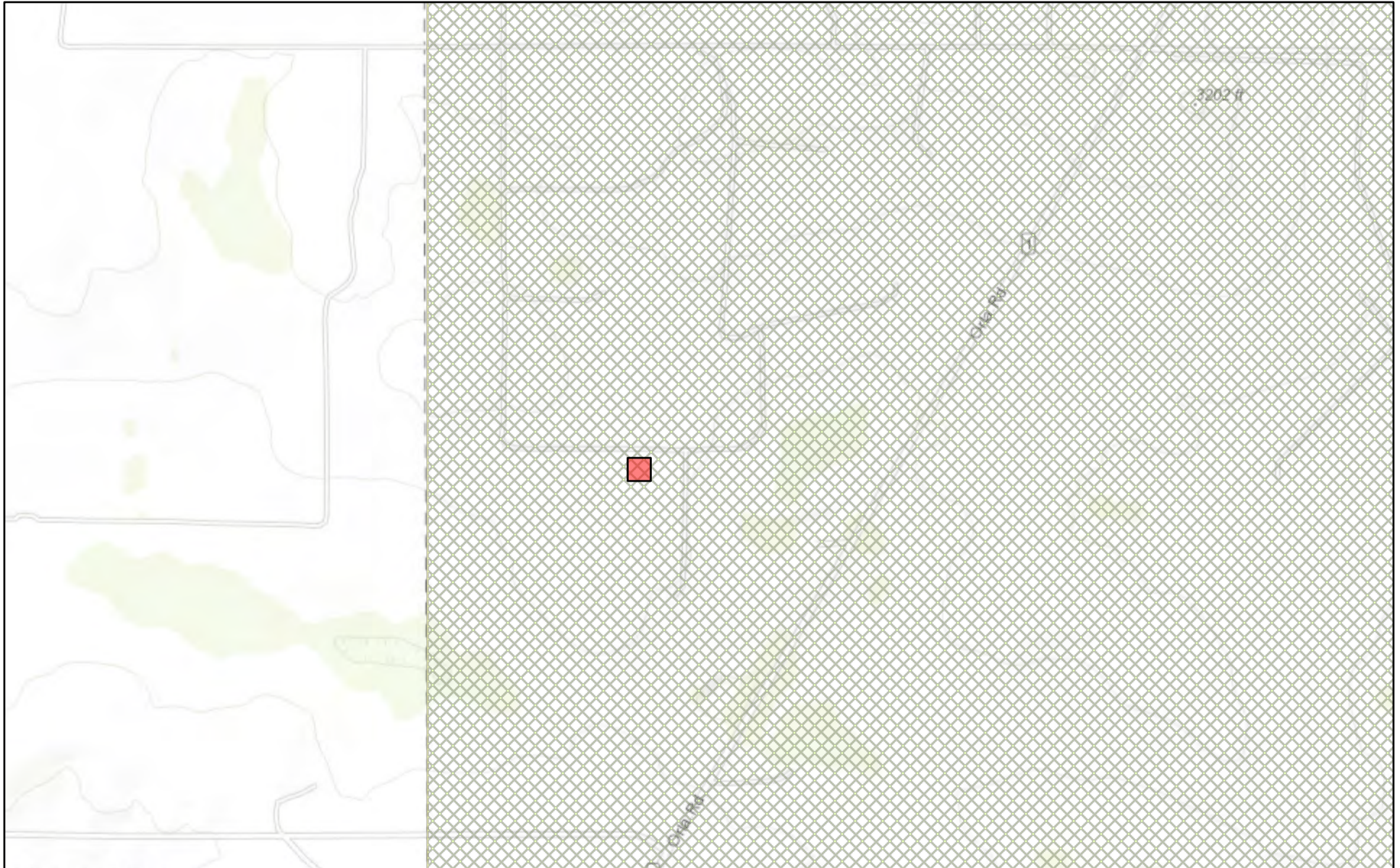
*UTM location was derived from PLSS - see Help

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

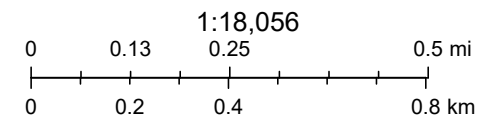
12/20/22 1:02 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



December 20, 2022



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

nmflood.org is made possible through a collaboration with NMDHSEM,

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/30/2022 12:32:53 PM

JOB DESCRIPTION

Superman Water Treatment Facility (11.07.22)
SDG NUMBER Lea Coun ty, New Mexico

JOB NUMBER

880-22954-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization



Generated
12/30/2022 12:32:53 PM

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

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Laboratory Job ID: 880-22954-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
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Surrogate Summary	12
QC Sample Results	13
QC Association Summary	19
Lab Chronicle	22
Certification Summary	25
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Sample Summary	27
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Receipt Checklists	29

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

Job ID: 880-22954-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22954-1****Receipt**

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

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-22954-1), H-2 (0-0.5') (880-22954-2), H-3 (0-0.5') (880-22954-3), H-4 (0-0.5') (880-22954-4), H-5 (0-0.5') (880-22954-5), H-6 (0-0.5') (880-22954-6), H-7 (0-0.5') (880-22954-7) and H-8 (0-0.5') (880-22954-8).

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: The surrogate recovery for the blank associated with preparation batch 880-42347 and analytical batch 880-42359 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-42347/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-8 (0-0.5') (880-22954-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-42386 and analytical batch 880-42572 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: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-22954-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 16:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/28/22 14:29	12/29/22 16:59	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/28/22 14:29	12/29/22 16:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/22 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 21:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 21:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/20/22 16:17	12/21/22 21:45	1
o-Terphenyl	124		70 - 130	12/20/22 16:17	12/21/22 21:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280	F1	5.00		mg/Kg			12/23/22 17:42	1

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

Lab Sample ID: 880-22954-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 18:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 18:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 18:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 18:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 18:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/28/22 14:29	12/29/22 18:49	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/28/22 14:29	12/29/22 18:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-22954-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/22 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 22:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 22:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/20/22 16:17	12/21/22 22:52	1
o-Terphenyl	98		70 - 130				12/20/22 16:17	12/21/22 22:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.8		5.02		mg/Kg			12/23/22 17:56	1

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

Lab Sample ID: 880-22954-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 19:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/28/22 14:29	12/29/22 19:10	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/28/22 14:29	12/29/22 19:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/22 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 23:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 23:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-22954-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/20/22 16:17	12/21/22 23:14	1
o-Terphenyl	99		70 - 130				12/20/22 16:17	12/21/22 23:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		5.03		mg/Kg			12/23/22 18:01	1

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

Lab Sample ID: 880-22954-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/22 14:29	12/29/22 19:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/22 14:29	12/29/22 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/28/22 14:29	12/29/22 19:30	1
1,4-Difluorobenzene (Surr)	114		70 - 130				12/28/22 14:29	12/29/22 19:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/30/22 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 23:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 23:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/21/22 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/20/22 16:17	12/21/22 23:37	1
o-Terphenyl	103		70 - 130				12/20/22 16:17	12/21/22 23:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			12/23/22 18:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-22954-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 19:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 19:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/28/22 14:29	12/29/22 19:50	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/28/22 14:29	12/29/22 19:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/22 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 23:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 23:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	12/20/22 16:17	12/21/22 23:58	1
o-Terphenyl	126		70 - 130	12/20/22 16:17	12/21/22 23:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			12/23/22 18:11	1

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

Lab Sample ID: 880-22954-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:29	12/29/22 20:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:29	12/29/22 20:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:29	12/29/22 20:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:29	12/29/22 20:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:29	12/29/22 20:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:29	12/29/22 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/27/22 14:29	12/29/22 20:11	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/27/22 14:29	12/29/22 20:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-22954-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/22 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/22/22 00:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/22/22 00:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/22/22 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/20/22 16:17	12/22/22 00:19	1
o-Terphenyl	111		70 - 130				12/20/22 16:17	12/22/22 00:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/23/22 18:26	1

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

Lab Sample ID: 880-22954-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 09:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 09:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				12/27/22 14:15	12/29/22 09:27	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				12/27/22 14:15	12/29/22 09:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/22/22 00:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/22/22 00:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-22954-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 16:17	12/22/22 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				12/20/22 16:17	12/22/22 00:40	1
o-Terphenyl	127		70 - 130				12/20/22 16:17	12/22/22 00:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/23/22 18:31	1

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

Lab Sample ID: 880-22954-8

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 09:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 09:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 09:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 09:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 09:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 09:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/27/22 14:15	12/29/22 09:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/27/22 14:15	12/29/22 09:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/22/22 01:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/22/22 01:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/22/22 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/20/22 16:17	12/22/22 01:01	1
o-Terphenyl	133	S1+	70 - 130				12/20/22 16:17	12/22/22 01:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/23/22 18:36	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-22954-1	H-1 (0-0.5')	106	111				
880-22954-2	H-2 (0-0.5')	99	107				
880-22954-3	H-3 (0-0.5')	104	109				
880-22954-4	H-4 (0-0.5')	109	114				
880-22954-5	H-5 (0-0.5')	105	113				
880-22954-6	H-6 (0-0.5')	105	110				
880-22954-7	H-7 (0-0.5')	68 S1-	63 S1-				
880-22954-8	H-8 (0-0.5')	130	98				
880-22955-A-1-G MS	Matrix Spike	111	87				
880-22955-A-1-H MSD	Matrix Spike Duplicate	111	90				
880-23102-A-1-G MS	Matrix Spike	99	111				
880-23102-A-1-H MSD	Matrix Spike Duplicate	101	111				
LCS 880-42725/1-A	Lab Control Sample	46 S1-	93				
LCS 880-42727/1-A	Lab Control Sample	94	108				
LCSD 880-42725/2-A	Lab Control Sample Dup	103	92				
LCSD 880-42727/2-A	Lab Control Sample Dup	100	111				
MB 880-42722/5-A	Method Blank	95	94				
MB 880-42725/5-A	Method Blank	96	88				
MB 880-42727/5-A	Method Blank	93	105				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	1CO1	OTPH1						
		(70-130)	(70-130)						
880-22954-1	H-1 (0-0.5')	111	124						
880-22954-1 MS	H-1 (0-0.5')	103	102						
880-22954-1 MSD	H-1 (0-0.5')	100	99						
880-22954-2	H-2 (0-0.5')	88	98						
880-22954-3	H-3 (0-0.5')	89	99						
880-22954-4	H-4 (0-0.5')	92	103						
880-22954-5	H-5 (0-0.5')	115	126						
880-22954-6	H-6 (0-0.5')	100	111						
880-22954-7	H-7 (0-0.5')	117	127						
880-22954-8	H-8 (0-0.5')	121	133 S1+						
LCS 880-42347/2-A	Lab Control Sample	118	131 S1+						
LCSD 880-42347/3-A	Lab Control Sample Dup	116	130						
MB 880-42347/1-A	Method Blank	161 S1+	186 S1+						
Surrogate Legend									
1CO = 1-Chlorooctane									
OTPH = o-Terphenyl									

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QC Sample Results

Client: Carmona Resources

Job ID: 880-22954-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea Coun ty, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42722/5-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42722

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

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

Lab Sample ID: MB 880-42725/5-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/22 14:15	12/29/22 01:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/27/22 14:15	12/29/22 01:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/27/22 14:15	12/29/22 01:51	1

Lab Sample ID: LCS 880-42725/1-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09812		mg/Kg		98	70 - 130
Toluene	0.100	0.09497		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08765		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1960		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09797		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	46	S1-	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-42725/2-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09114		mg/Kg		91	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: LCSD 880-42725/2-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08948		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.08522		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09676		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-22955-A-1-G MS

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.05967	F1	mg/Kg		60	70 - 130
Toluene	<0.00201	U F1	0.100	0.06202	F1	mg/Kg		62	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.06270	F1	mg/Kg		63	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1453		mg/Kg		73	70 - 130
o-Xylene	<0.00201	U	0.100	0.07801		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-22955-A-1-H MSD

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.08095		mg/Kg		82	70 - 130	30	35
Toluene	<0.00201	U F1	0.0990	0.08111		mg/Kg		82	70 - 130	27	35
Ethylbenzene	<0.00201	U F1	0.0990	0.07855		mg/Kg		79	70 - 130	22	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1780		mg/Kg		90	70 - 130	20	35
o-Xylene	<0.00201	U	0.0990	0.09323		mg/Kg		94	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: MB 880-42727/5-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/22 14:29	12/29/22 13:27	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: MB 880-42727/5-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				12/28/22 14:29	12/29/22 13:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/28/22 14:29	12/29/22 13:27	1

Lab Sample ID: LCS 880-42727/1-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1034		mg/Kg		103	70 - 130
Toluene	0.100	0.09492		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09306		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1883		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09014		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	94		70 - 130				
1,4-Difluorobenzene (Surr)	108		70 - 130				

Lab Sample ID: LCSD 880-42727/2-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1069		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.09845		mg/Kg		98	70 - 130	4	35
Ethylbenzene	0.100	0.09537		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.09399		mg/Kg		94	70 - 130	4	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: 880-23102-A-1-G MS

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.100	0.09281		mg/Kg		93	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08822		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1804		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.08680		mg/Kg		87	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-23102-A-1-G MS

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42727

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-23102-A-1-H MSD

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1045		mg/Kg		106	70 - 130	3	35
Toluene	<0.00201	U	0.0990	0.09578		mg/Kg		97	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0990	0.09115		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1882		mg/Kg		95	70 - 130	4	35
o-Xylene	<0.00201	U	0.0990	0.09014		mg/Kg		91	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-42347/1-A

Matrix: Solid

Analysis Batch: 42359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42347

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 20:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 20:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 16:17	12/21/22 20:40	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	161	S1+	70 - 130	12/20/22 16:17	12/21/22 20:40	1			
o-Terphenyl	186	S1+	70 - 130	12/20/22 16:17	12/21/22 20:40	1			

Lab Sample ID: LCS 880-42347/2-A

Matrix: Solid

Analysis Batch: 42359

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	965.4		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1200		mg/Kg		120	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	131	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
 SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: LCSD 880-42347/3-A

Matrix: Solid

Analysis Batch: 42359

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42347

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	996.1		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1198		mg/Kg		120	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	130		70 - 130						

Lab Sample ID: 880-22954-1 MS

Matrix: Solid

Analysis Batch: 42359

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

Prep Type: Total/NA

Prep Batch: 42347

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	954.6		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1065		mg/Kg		105	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: 880-22954-1 MSD

Matrix: Solid

Analysis Batch: 42359

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

Prep Type: Total/NA

Prep Batch: 42347

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	931.4		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1040		mg/Kg		103	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42386/1-A

Matrix: Solid

Analysis Batch: 42572

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/23/22 17:27	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-42386/2-A

Matrix: Solid

Analysis Batch: 42572

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	241.3		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-42386/3-A

Matrix: Solid

Analysis Batch: 42572

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	268.9		mg/Kg		108	90 - 110	11	20

Lab Sample ID: 880-22954-1 MS

Matrix: Solid

Analysis Batch: 42572

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	280	F1	250	495.4	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 880-22954-1 MSD

Matrix: Solid

Analysis Batch: 42572

Client Sample ID: H-1 (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	280	F1	250	522.1		mg/Kg		97	90 - 110	5	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-22954-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea Coun ty, New Mexico

GC VOA

Prep Batch: 42722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42722/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-22954-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-42725/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42725/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42725/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22955-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-22955-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 42727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-22954-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-22954-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-22954-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-22954-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-22954-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-42727/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42727/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42727/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23102-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-23102-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 42792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-7	H-7 (0-0.5')	Total/NA	Solid	8021B	42725
880-22954-8	H-8 (0-0.5')	Total/NA	Solid	8021B	42725
MB 880-42722/5-A	Method Blank	Total/NA	Solid	8021B	42722
MB 880-42725/5-A	Method Blank	Total/NA	Solid	8021B	42725
LCS 880-42725/1-A	Lab Control Sample	Total/NA	Solid	8021B	42725
LCSD 880-42725/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42725
880-22955-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	42725
880-22955-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42725

Analysis Batch: 42843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Total/NA	Solid	8021B	42727
880-22954-2	H-2 (0-0.5')	Total/NA	Solid	8021B	42727
880-22954-3	H-3 (0-0.5')	Total/NA	Solid	8021B	42727
880-22954-4	H-4 (0-0.5')	Total/NA	Solid	8021B	42727
880-22954-5	H-5 (0-0.5')	Total/NA	Solid	8021B	42727
880-22954-6	H-6 (0-0.5')	Total/NA	Solid	8021B	42727
MB 880-42727/5-A	Method Blank	Total/NA	Solid	8021B	42727
LCS 880-42727/1-A	Lab Control Sample	Total/NA	Solid	8021B	42727
LCSD 880-42727/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42727
880-23102-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	42727
880-23102-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42727

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22954-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea Coun ty, New Mexico

GC VOA

Analysis Batch: 42886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-22954-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-42347/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42347/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42347/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22954-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-22954-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	42347
MB 880-42347/1-A	Method Blank	Total/NA	Solid	8015B NM	42347
LCS 880-42347/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42347
LCSD 880-42347/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42347
880-22954-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	42347
880-22954-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	42347

Analysis Batch: 42508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-22954-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-22954-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-22954-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-22954-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-22954-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22954-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea Coun ty, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 42508 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-22954-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-42386/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42386/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42386/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22954-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-22954-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 42572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22954-1	H-1 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-2	H-2 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-3	H-3 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-4	H-4 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-5	H-5 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-6	H-6 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-7	H-7 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-8	H-8 (0-0.5')	Soluble	Solid	300.0	42386
MB 880-42386/1-A	Method Blank	Soluble	Solid	300.0	42386
LCS 880-42386/2-A	Lab Control Sample	Soluble	Solid	300.0	42386
LCSD 880-42386/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42386
880-22954-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	42386
880-22954-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	42386

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

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

Lab Sample ID: 880-22954-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/30/22 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/21/22 21:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 17:42	CH	EET MID

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

Lab Sample ID: 880-22954-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/30/22 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/21/22 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 17:56	CH	EET MID

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

Lab Sample ID: 880-22954-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/30/22 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/21/22 23:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 18:01	CH	EET MID

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

Lab Sample ID: 880-22954-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/30/22 13:19	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-22954-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/21/22 23:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 18:06	CH	EET MID

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

Lab Sample ID: 880-22954-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/30/22 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/21/22 23:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 18:11	CH	EET MID

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

Lab Sample ID: 880-22954-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42727	12/27/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/30/22 13:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/22/22 00:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 18:26	CH	EET MID

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

Lab Sample ID: 880-22954-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 09:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/22/22 00:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 12/19/22 00:00
Date Received: 12/20/22 14:04

Lab Sample ID: 880-22954-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 18:31	CH	EET MID

Client Sample ID: H-8 (0-0.5')
Date Collected: 12/19/22 00:00
Date Received: 12/20/22 14:04

Lab Sample ID: 880-22954-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 09:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42886	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42508	12/22/22 11:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42347	12/20/22 16:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42359	12/22/22 01:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42386	12/21/22 10:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42572	12/23/22 18:36	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22954-1
SDG: Lea Coun ty, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources

Job ID: 880-22954-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea Coun ty, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources

Job ID: 880-22954-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22954-1	H-1 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-2	H-2 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-3	H-3 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-4	H-4 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-5	H-5 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-6	H-6 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-7	H-7 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22954-8	H-8 (0-0.5')	Solid	12/19/22 00:00	12/20/22 14:04

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Work Order No: 22954

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Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RRC
State of Project:			☐ Iperfund
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP
Deliverables	EDD	☐ ADAPT	☐ Other

Project Name	Superman Water Treatment Facility (11 07 22)	Turn Around	☐ Routine	☒ Rush	Pres. Code	ANALYSIS REQUEST				Preservative Codes			
Project Number	1209	Due Date	72 Hrs							None NO DI Water H ₂ O			
Project Location	Lea County, New Mexico									Cool Cool MeOH Me			
Sampler's Name	GP/JMM									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	N/A	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						NaOH+Ascorbic Acid SAPC			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters				Sample Comments			
H-1 (0-0.5')	12/19/2022		X		G	1	BTX 8021B				402			
H-2 (0-0.5')	12/19/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)							
H-3 (0-0.5')	12/19/2022		X		G	1	Chloride 300.0							
H-4 (0-0.5')	12/19/2022		X		G	1								
H-5 (0-0.5')	12/19/2022		X		G	1								
H-6 (0-0.5')	12/19/2022		X		G	1								
H-7 (0-0.5')	12/19/2022		X		G	1								
H-8 (0-0.5')	12/19/2022		X		G	1								



880-22954 Chain of Custody

Comments Email to Mike Carmona / Mccarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/20/22		14021

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22954-1

SDG Number: Lea County, New Mexico

Login Number: 22954

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/29/2022 1:26:14 PM

JOB DESCRIPTION

Superman Water Treatment Facility (11.07.22)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-22955-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
12/29/2022 1:26:14 PM

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

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Laboratory Job ID: 880-22955-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Job ID: 880-22955-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-22955-1**

Receipt

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

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.25') (880-22955-1), S-1 (0.5') (880-22955-2), S-1 (1') (880-22955-3), S-2 (0-0.25') (880-22955-4), S-2 (0.5') (880-22955-5), S-2 (1') (880-22955-6), S-3 (0-0.25') (880-22955-7), S-3 (0.5') (880-22955-8), S-3 (1') (880-22955-9), S-4 (0-0.25') (880-22955-10), S-4 (0.5') (880-22955-11), S-4 (1') (880-22955-12), S-5 (0-0.25') (880-22955-13), S-5 (0.5') (880-22955-14), S-5 (1') (880-22955-15), S-5 (1.5') (880-22955-16), S-6 (0-0.25') (880-22955-17), S-6 (0.5') (880-22955-18), S-6 (1') (880-22955-19) and S-6 (1.5') (880-22955-20).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-42725 and analytical batch 880-42792 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 (0.5') (880-22955-11), S-5 (0.5') (880-22955-14) and (LCS 880-42725/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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 880-42387 and 880-42387 and analytical batch 880-42549 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: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-22955-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		12/27/22 14:15	12/29/22 02:13	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		12/27/22 14:15	12/29/22 02:13	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		12/27/22 14:15	12/29/22 02:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 14:15	12/29/22 02:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 02:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/22 14:15	12/29/22 02:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/27/22 14:15	12/29/22 02:13	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/27/22 14:15	12/29/22 02:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.4		50.0		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 13:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 13:03	1
Oil Range Organics (Over C28-C36)	81.4		50.0		mg/Kg		12/20/22 15:12	12/21/22 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	12/20/22 15:12	12/21/22 13:03	1
o-Terphenyl	84		70 - 130	12/20/22 15:12	12/21/22 13:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.6	F1	5.00		mg/Kg			12/27/22 15:06	1

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-22955-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 02:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 02:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 02:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 02:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 02:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/27/22 14:15	12/29/22 02:34	1
1,4-Difluorobenzene (Surr)	71		70 - 130	12/27/22 14:15	12/29/22 02:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-22955-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				12/20/22 15:12	12/21/22 14:09	1
o-Terphenyl	83		70 - 130				12/20/22 15:12	12/21/22 14:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.9		25.2		mg/Kg			12/27/22 15:21	5

Client Sample ID: S-1 (1')

Lab Sample ID: 880-22955-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 02:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 02:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 02:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 02:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 02:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/27/22 14:15	12/29/22 02:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/27/22 14:15	12/29/22 02:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1')

Lab Sample ID: 880-22955-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/20/22 15:12	12/21/22 14:31	1
o-Terphenyl	89		70 - 130				12/20/22 15:12	12/21/22 14:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		25.2		mg/Kg			12/27/22 15:26	5

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-22955-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 03:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 03:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 03:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 03:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 03:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/27/22 14:15	12/29/22 03:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/27/22 14:15	12/29/22 03:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/20/22 15:12	12/21/22 14:51	1
o-Terphenyl	90		70 - 130				12/20/22 15:12	12/21/22 14:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1810		50.5		mg/Kg			12/27/22 15:31	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-22955-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 03:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 03:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 03:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 03:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 03:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/27/22 14:15	12/29/22 03:36	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/27/22 14:15	12/29/22 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 12:44	1

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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/20/22 15:12	12/21/22 15:14	1
o-Terphenyl	96		70 - 130	12/20/22 15:12	12/21/22 15:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2890		49.5		mg/Kg			12/27/22 15:36	10

Client Sample ID: S-2 (1')

Lab Sample ID: 880-22955-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 03:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 03:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 03:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 14:15	12/29/22 03:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 03:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/22 14:15	12/29/22 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/27/22 14:15	12/29/22 03:56	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/27/22 14:15	12/29/22 03:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1')

Lab Sample ID: 880-22955-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 15:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 15:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/20/22 15:12	12/21/22 15:37	1
o-Terphenyl	84		70 - 130				12/20/22 15:12	12/21/22 15:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6570		50.3		mg/Kg			12/27/22 15:51	10

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-22955-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 04:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/27/22 14:15	12/29/22 04:17	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/27/22 14:15	12/29/22 04:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 15:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 15:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-22955-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				12/20/22 15:12	12/21/22 15:58	1
o-Terphenyl	84		70 - 130				12/20/22 15:12	12/21/22 15:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2730		50.1		mg/Kg			12/27/22 15:56	10

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-22955-8

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/27/22 14:15	12/29/22 04:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/27/22 14:15	12/29/22 04:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/27/22 14:15	12/29/22 04:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/27/22 14:15	12/29/22 04:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/27/22 14:15	12/29/22 04:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/27/22 14:15	12/29/22 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/27/22 14:15	12/29/22 04:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/27/22 14:15	12/29/22 04:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 16:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 16:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				12/20/22 15:12	12/21/22 16:20	1
o-Terphenyl	83		70 - 130				12/20/22 15:12	12/21/22 16:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5720		50.0		mg/Kg			12/27/22 16:00	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1')

Lab Sample ID: 880-22955-9

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 04:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 04:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/27/22 14:15	12/29/22 04:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/27/22 14:15	12/29/22 04:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 16:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 16:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	12/20/22 15:12	12/21/22 16:41	1
o-Terphenyl	85		70 - 130	12/20/22 15:12	12/21/22 16:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4580		49.6		mg/Kg			12/27/22 16:05	10

Client Sample ID: S-4 (0-0.25')

Lab Sample ID: 880-22955-10

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 05:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 05:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 05:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/27/22 14:15	12/29/22 05:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/27/22 14:15	12/29/22 05:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-0.25')

Lab Sample ID: 880-22955-10

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 17:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 17:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/20/22 15:12	12/21/22 17:02	1
o-Terphenyl	97		70 - 130				12/20/22 15:12	12/21/22 17:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		4.96		mg/Kg			12/27/22 16:10	1

Client Sample ID: S-4 (0.5')

Lab Sample ID: 880-22955-11

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 06:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 06:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 06:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/22 14:15	12/29/22 06:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 06:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/22 14:15	12/29/22 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130				12/27/22 14:15	12/29/22 06:42	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				12/27/22 14:15	12/29/22 06:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 17:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0.5')

Lab Sample ID: 880-22955-11

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/20/22 15:12	12/21/22 17:45	1
o-Terphenyl	96		70 - 130				12/20/22 15:12	12/21/22 17:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224	F1	4.95		mg/Kg			12/27/22 16:15	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-22955-12

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 07:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 07:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				12/27/22 14:15	12/29/22 07:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/27/22 14:15	12/29/22 07:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.9		50.0		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 18:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 18:07	1
Oil Range Organics (Over C28-C36)	60.9		50.0		mg/Kg		12/20/22 15:12	12/21/22 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				12/20/22 15:12	12/21/22 18:07	1
o-Terphenyl	84		70 - 130				12/20/22 15:12	12/21/22 18:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			12/27/22 16:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (0-0.25')

Lab Sample ID: 880-22955-13

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 07:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 07:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 07:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	12/27/22 14:15	12/29/22 07:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/27/22 14:15	12/29/22 07:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 18:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	12/20/22 15:12	12/21/22 18:28	1
o-Terphenyl	86		70 - 130	12/20/22 15:12	12/21/22 18:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	688		5.03		mg/Kg			12/27/22 16:35	1

Client Sample ID: S-5 (0.5')

Lab Sample ID: 880-22955-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 07:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 07:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 07:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 07:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 07:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/27/22 14:15	12/29/22 07:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/27/22 14:15	12/29/22 07:44	1
1,4-Difluorobenzene (Surr)	77		70 - 130	12/27/22 14:15	12/29/22 07:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (0.5')

Lab Sample ID: 880-22955-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.6		49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 18:49	1
Oil Range Organics (Over C28-C36)	58.6		49.9		mg/Kg		12/20/22 15:12	12/21/22 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				12/20/22 15:12	12/21/22 18:49	1
o-Terphenyl	83		70 - 130				12/20/22 15:12	12/21/22 18:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.24		5.01		mg/Kg			12/27/22 16:50	1

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-22955-17

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 08:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 08:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 08:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/27/22 14:15	12/29/22 08:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/27/22 14:15	12/29/22 08:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/27/22 14:15	12/29/22 08:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/27/22 14:15	12/29/22 08:04	1
1,4-Difluorobenzene (Surr)	74		70 - 130				12/27/22 14:15	12/29/22 08:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 19:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (0-0.25')

Lab Sample ID: 880-22955-17

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				12/20/22 15:12	12/21/22 19:55	1
o-Terphenyl	82		70 - 130				12/20/22 15:12	12/21/22 19:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		5.01		mg/Kg			12/27/22 16:55	1

Client Sample ID: S-6 (0.5')

Lab Sample ID: 880-22955-18

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 08:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 08:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 08:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/27/22 14:15	12/29/22 08:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 08:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/27/22 14:15	12/29/22 08:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/27/22 14:15	12/29/22 08:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/27/22 14:15	12/29/22 08:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 20:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 20:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/20/22 15:12	12/21/22 20:16	1
o-Terphenyl	96		70 - 130				12/20/22 15:12	12/21/22 20:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	741		5.02		mg/Kg			12/27/22 17:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (1')

Lab Sample ID: 880-22955-19

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/27/22 14:15	12/29/22 08:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/27/22 14:15	12/29/22 08:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/27/22 14:15	12/29/22 08:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/27/22 14:15	12/29/22 08:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/27/22 14:15	12/29/22 08:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/27/22 14:15	12/29/22 08:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/27/22 14:15	12/29/22 08:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/27/22 14:15	12/29/22 08:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/29/22 11:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 20:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 20:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	12/20/22 15:12	12/21/22 20:38	1
o-Terphenyl	82		70 - 130	12/20/22 15:12	12/21/22 20:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3640		25.0		mg/Kg			12/27/22 17:05	5

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-22955-20

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 09:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/27/22 14:15	12/29/22 09:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/27/22 14:15	12/29/22 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/27/22 14:15	12/29/22 09:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/27/22 14:15	12/29/22 09:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-22955-20

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/22/22 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 20:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 20:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/20/22 15:12	12/21/22 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/20/22 15:12	12/21/22 20:59	1
o-Terphenyl	90		70 - 130				12/20/22 15:12	12/21/22 20:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.5		4.97		mg/Kg			12/27/22 17:10	1

Surrogate Summary

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-22955-1	S-1 (0-0.25')	111	91
880-22955-1 MS	S-1 (0-0.25')	111	87
880-22955-1 MSD	S-1 (0-0.25')	111	90
880-22955-2	S-1 (0.5')	118	71
880-22955-3	S-1 (1')	115	95
880-22955-4	S-2 (0-0.25')	128	87
880-22955-5	S-2 (0.5')	129	97
880-22955-6	S-2 (1')	124	96
880-22955-7	S-3 (0-0.25')	128	104
880-22955-8	S-3 (0.5')	126	100
880-22955-9	S-3 (1')	127	101
880-22955-10	S-4 (0-0.25')	125	100
880-22955-11	S-4 (0.5')	54 S1-	67 S1-
880-22955-12	S-4 (1')	125	100
880-22955-13	S-5 (0-0.25')	132 S1+	93
880-22955-14	S-5 (0.5')	133 S1+	77
880-22955-17	S-6 (0-0.25')	121	74
880-22955-18	S-6 (0.5')	122	99
880-22955-19	S-6 (1')	123	98
880-22955-20	S-6 (1.5')	133 S1+	88
LCS 880-42725/1-A	Lab Control Sample	46 S1-	93
LCSD 880-42725/2-A	Lab Control Sample Dup	103	92
MB 880-42722/5-A	Method Blank	95	94
MB 880-42725/5-A	Method Blank	96	88
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)
880-22955-1	S-1 (0-0.25')	81	84
880-22955-1 MS	S-1 (0-0.25')	94	85
880-22955-1 MSD	S-1 (0-0.25')	107	97
880-22955-2	S-1 (0.5')	80	83
880-22955-3	S-1 (1')	86	89
880-22955-4	S-2 (0-0.25')	87	90
880-22955-5	S-2 (0.5')	92	96
880-22955-6	S-2 (1')	81	84
880-22955-7	S-3 (0-0.25')	82	84
880-22955-8	S-3 (0.5')	80	83
880-22955-9	S-3 (1')	82	85
880-22955-10	S-4 (0-0.25')	93	97
880-22955-11	S-4 (0.5')	92	96
880-22955-12	S-4 (1')	82	84
880-22955-13	S-5 (0-0.25')	83	86

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22955-14	S-5 (0.5')	82	83
880-22955-17	S-6 (0-0.25')	80	82
880-22955-18	S-6 (0.5')	91	96
880-22955-19	S-6 (1')	79	82
880-22955-20	S-6 (1.5')	89	90
LCS 880-42321/2-A	Lab Control Sample	111	114
LCSD 880-42321/3-A	Lab Control Sample Dup	117	122
MB 880-42321/1-A	Method Blank	101	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42722/5-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42722

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

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

Lab Sample ID: MB 880-42725/5-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/27/22 14:15	12/29/22 01:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/27/22 14:15	12/29/22 01:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/27/22 14:15	12/29/22 01:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/27/22 14:15	12/29/22 01:51	1

Lab Sample ID: LCS 880-42725/1-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09812		mg/Kg		98	70 - 130
Toluene	0.100	0.09497		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08765		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1960		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09797		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	46	S1-	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-42725/2-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09114		mg/Kg		91	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-42725/2-A

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08948		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.08522		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09676		mg/Kg		97	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-22955-1 MS

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.05967	F1	mg/Kg		60	70 - 130
Toluene	<0.00201	U F1	0.100	0.06202	F1	mg/Kg		62	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.06270	F1	mg/Kg		63	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1453		mg/Kg		73	70 - 130
o-Xylene	<0.00201	U	0.100	0.07801		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-22955-1 MSD

Matrix: Solid

Analysis Batch: 42792

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.08095		mg/Kg		82	70 - 130	30	35
Toluene	<0.00201	U F1	0.0990	0.08111		mg/Kg		82	70 - 130	27	35
Ethylbenzene	<0.00201	U F1	0.0990	0.07855		mg/Kg		79	70 - 130	22	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1780		mg/Kg		90	70 - 130	20	35
o-Xylene	<0.00201	U	0.0990	0.09323		mg/Kg		94	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

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

Lab Sample ID: MB 880-42321/1-A

Matrix: Solid

Analysis Batch: 42363

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 09:33	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-42321/1-A

Matrix: Solid

Analysis Batch: 42363

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 09:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/20/22 15:12	12/21/22 09:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/20/22 15:12	12/21/22 09:33	1
o-Terphenyl	106		70 - 130				12/20/22 15:12	12/21/22 09:33	1

Lab Sample ID: LCS 880-42321/2-A

Matrix: Solid

Analysis Batch: 42363

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	963.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	935.3		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	111		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-42321/3-A

Matrix: Solid

Analysis Batch: 42363

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42321

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	928.9		mg/Kg		93	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	990.3		mg/Kg		99	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	117		70 - 130						
o-Terphenyl	122		70 - 130						

Lab Sample ID: 880-22955-1 MS

Matrix: Solid

Analysis Batch: 42363

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42321

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	933.4		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	749.3		mg/Kg		75	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	85		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-22955-1 MSD

Matrix: Solid

Analysis Batch: 42363

Client Sample ID: S-1 (0-0.25')

Prep Type: Total/NA

Prep Batch: 42321

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	977.6		mg/Kg		93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	820.8		mg/Kg		82	70 - 130	9	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	97		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42387/1-A

Matrix: Solid

Analysis Batch: 42549

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/27/22 14:51	1

Lab Sample ID: LCS 880-42387/2-A

Matrix: Solid

Analysis Batch: 42549

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.6		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-42387/3-A

Matrix: Solid

Analysis Batch: 42549

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.9		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-22955-1 MS

Matrix: Solid

Analysis Batch: 42549

Client Sample ID: S-1 (0-0.25')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.6	F1	250	361.4	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-22955-1 MSD

Matrix: Solid

Analysis Batch: 42549

Client Sample ID: S-1 (0-0.25')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.6	F1	250	360.3	F1	mg/Kg		124	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22955-11 MS											Client Sample ID: S-4 (0.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 42549												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	224	F1	248	526.0	F1	mg/Kg		122	90 - 110			

Lab Sample ID: 880-22955-11 MSD											Client Sample ID: S-4 (0.5')	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 42549												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit
Chloride	224	F1	248	525.3	F1	mg/Kg		122	90 - 110		0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

GC VOA

Prep Batch: 42722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42722/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Total/NA	Solid	5035	
880-22955-2	S-1 (0.5')	Total/NA	Solid	5035	
880-22955-3	S-1 (1')	Total/NA	Solid	5035	
880-22955-4	S-2 (0-0.25')	Total/NA	Solid	5035	
880-22955-5	S-2 (0.5')	Total/NA	Solid	5035	
880-22955-6	S-2 (1')	Total/NA	Solid	5035	
880-22955-7	S-3 (0-0.25')	Total/NA	Solid	5035	
880-22955-8	S-3 (0.5')	Total/NA	Solid	5035	
880-22955-9	S-3 (1')	Total/NA	Solid	5035	
880-22955-10	S-4 (0-0.25')	Total/NA	Solid	5035	
880-22955-11	S-4 (0.5')	Total/NA	Solid	5035	
880-22955-12	S-4 (1')	Total/NA	Solid	5035	
880-22955-13	S-5 (0-0.25')	Total/NA	Solid	5035	
880-22955-14	S-5 (0.5')	Total/NA	Solid	5035	
880-22955-17	S-6 (0-0.25')	Total/NA	Solid	5035	
880-22955-18	S-6 (0.5')	Total/NA	Solid	5035	
880-22955-19	S-6 (1')	Total/NA	Solid	5035	
880-22955-20	S-6 (1.5')	Total/NA	Solid	5035	
MB 880-42725/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42725/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42725/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22955-1 MS	S-1 (0-0.25')	Total/NA	Solid	5035	
880-22955-1 MSD	S-1 (0-0.25')	Total/NA	Solid	5035	

Analysis Batch: 42792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-2	S-1 (0.5')	Total/NA	Solid	8021B	42725
880-22955-3	S-1 (1')	Total/NA	Solid	8021B	42725
880-22955-4	S-2 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-5	S-2 (0.5')	Total/NA	Solid	8021B	42725
880-22955-6	S-2 (1')	Total/NA	Solid	8021B	42725
880-22955-7	S-3 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-8	S-3 (0.5')	Total/NA	Solid	8021B	42725
880-22955-9	S-3 (1')	Total/NA	Solid	8021B	42725
880-22955-10	S-4 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-11	S-4 (0.5')	Total/NA	Solid	8021B	42725
880-22955-12	S-4 (1')	Total/NA	Solid	8021B	42725
880-22955-13	S-5 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-14	S-5 (0.5')	Total/NA	Solid	8021B	42725
880-22955-17	S-6 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-18	S-6 (0.5')	Total/NA	Solid	8021B	42725
880-22955-19	S-6 (1')	Total/NA	Solid	8021B	42725
880-22955-20	S-6 (1.5')	Total/NA	Solid	8021B	42725
MB 880-42722/5-A	Method Blank	Total/NA	Solid	8021B	42722
MB 880-42725/5-A	Method Blank	Total/NA	Solid	8021B	42725
LCS 880-42725/1-A	Lab Control Sample	Total/NA	Solid	8021B	42725

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QC Association Summary

Client: Carmona Resources
 Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 42792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-42725/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42725
880-22955-1 MS	S-1 (0-0.25')	Total/NA	Solid	8021B	42725
880-22955-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8021B	42725

Analysis Batch: 42885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-22955-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	
880-22955-3	S-1 (1')	Total/NA	Solid	Total BTEX	
880-22955-4	S-2 (0-0.25')	Total/NA	Solid	Total BTEX	
880-22955-5	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-22955-6	S-2 (1')	Total/NA	Solid	Total BTEX	
880-22955-7	S-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-22955-8	S-3 (0.5')	Total/NA	Solid	Total BTEX	
880-22955-9	S-3 (1')	Total/NA	Solid	Total BTEX	
880-22955-10	S-4 (0-0.25')	Total/NA	Solid	Total BTEX	
880-22955-11	S-4 (0.5')	Total/NA	Solid	Total BTEX	
880-22955-12	S-4 (1')	Total/NA	Solid	Total BTEX	
880-22955-13	S-5 (0-0.25')	Total/NA	Solid	Total BTEX	
880-22955-14	S-5 (0.5')	Total/NA	Solid	Total BTEX	
880-22955-17	S-6 (0-0.25')	Total/NA	Solid	Total BTEX	
880-22955-18	S-6 (0.5')	Total/NA	Solid	Total BTEX	
880-22955-19	S-6 (1')	Total/NA	Solid	Total BTEX	
880-22955-20	S-6 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-22955-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-22955-3	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-22955-4	S-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-22955-5	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-22955-6	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-22955-7	S-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-22955-8	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-22955-9	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-22955-10	S-4 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-22955-11	S-4 (0.5')	Total/NA	Solid	8015NM Prep	
880-22955-12	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-22955-13	S-5 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-22955-14	S-5 (0.5')	Total/NA	Solid	8015NM Prep	
880-22955-17	S-6 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-22955-18	S-6 (0.5')	Total/NA	Solid	8015NM Prep	
880-22955-19	S-6 (1')	Total/NA	Solid	8015NM Prep	
880-22955-20	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-42321/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42321/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22955-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 42321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-2	S-1 (0.5')	Total/NA	Solid	8015B NM	42321
880-22955-3	S-1 (1')	Total/NA	Solid	8015B NM	42321
880-22955-4	S-2 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-5	S-2 (0.5')	Total/NA	Solid	8015B NM	42321
880-22955-6	S-2 (1')	Total/NA	Solid	8015B NM	42321
880-22955-7	S-3 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-8	S-3 (0.5')	Total/NA	Solid	8015B NM	42321
880-22955-9	S-3 (1')	Total/NA	Solid	8015B NM	42321
880-22955-10	S-4 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-11	S-4 (0.5')	Total/NA	Solid	8015B NM	42321
880-22955-12	S-4 (1')	Total/NA	Solid	8015B NM	42321
880-22955-13	S-5 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-14	S-5 (0.5')	Total/NA	Solid	8015B NM	42321
880-22955-17	S-6 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-18	S-6 (0.5')	Total/NA	Solid	8015B NM	42321
880-22955-19	S-6 (1')	Total/NA	Solid	8015B NM	42321
880-22955-20	S-6 (1.5')	Total/NA	Solid	8015B NM	42321
MB 880-42321/1-A	Method Blank	Total/NA	Solid	8015B NM	42321
LCS 880-42321/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42321
LCSD 880-42321/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42321
880-22955-1 MS	S-1 (0-0.25')	Total/NA	Solid	8015B NM	42321
880-22955-1 MSD	S-1 (0-0.25')	Total/NA	Solid	8015B NM	42321

Analysis Batch: 42515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-22955-2	S-1 (0.5')	Total/NA	Solid	8015 NM	
880-22955-3	S-1 (1')	Total/NA	Solid	8015 NM	
880-22955-4	S-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-22955-5	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-22955-6	S-2 (1')	Total/NA	Solid	8015 NM	
880-22955-7	S-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-22955-8	S-3 (0.5')	Total/NA	Solid	8015 NM	
880-22955-9	S-3 (1')	Total/NA	Solid	8015 NM	
880-22955-10	S-4 (0-0.25')	Total/NA	Solid	8015 NM	
880-22955-11	S-4 (0.5')	Total/NA	Solid	8015 NM	
880-22955-12	S-4 (1')	Total/NA	Solid	8015 NM	
880-22955-13	S-5 (0-0.25')	Total/NA	Solid	8015 NM	
880-22955-14	S-5 (0.5')	Total/NA	Solid	8015 NM	
880-22955-17	S-6 (0-0.25')	Total/NA	Solid	8015 NM	
880-22955-18	S-6 (0.5')	Total/NA	Solid	8015 NM	
880-22955-19	S-6 (1')	Total/NA	Solid	8015 NM	
880-22955-20	S-6 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 42387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-2	S-1 (0.5')	Soluble	Solid	DI Leach	
880-22955-3	S-1 (1')	Soluble	Solid	DI Leach	
880-22955-4	S-2 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-5	S-2 (0.5')	Soluble	Solid	DI Leach	
880-22955-6	S-2 (1')	Soluble	Solid	DI Leach	
880-22955-7	S-3 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-8	S-3 (0.5')	Soluble	Solid	DI Leach	
880-22955-9	S-3 (1')	Soluble	Solid	DI Leach	
880-22955-10	S-4 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-11	S-4 (0.5')	Soluble	Solid	DI Leach	
880-22955-12	S-4 (1')	Soluble	Solid	DI Leach	
880-22955-13	S-5 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-14	S-5 (0.5')	Soluble	Solid	DI Leach	
880-22955-17	S-6 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-18	S-6 (0.5')	Soluble	Solid	DI Leach	
880-22955-19	S-6 (1')	Soluble	Solid	DI Leach	
880-22955-20	S-6 (1.5')	Soluble	Solid	DI Leach	
MB 880-42387/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42387/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42387/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22955-1 MS	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-1 MSD	S-1 (0-0.25')	Soluble	Solid	DI Leach	
880-22955-11 MS	S-4 (0.5')	Soluble	Solid	DI Leach	
880-22955-11 MSD	S-4 (0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 42549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-1	S-1 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-2	S-1 (0.5')	Soluble	Solid	300.0	42387
880-22955-3	S-1 (1')	Soluble	Solid	300.0	42387
880-22955-4	S-2 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-5	S-2 (0.5')	Soluble	Solid	300.0	42387
880-22955-6	S-2 (1')	Soluble	Solid	300.0	42387
880-22955-7	S-3 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-8	S-3 (0.5')	Soluble	Solid	300.0	42387
880-22955-9	S-3 (1')	Soluble	Solid	300.0	42387
880-22955-10	S-4 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-11	S-4 (0.5')	Soluble	Solid	300.0	42387
880-22955-12	S-4 (1')	Soluble	Solid	300.0	42387
880-22955-13	S-5 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-14	S-5 (0.5')	Soluble	Solid	300.0	42387
880-22955-17	S-6 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-18	S-6 (0.5')	Soluble	Solid	300.0	42387
880-22955-19	S-6 (1')	Soluble	Solid	300.0	42387
880-22955-20	S-6 (1.5')	Soluble	Solid	300.0	42387
MB 880-42387/1-A	Method Blank	Soluble	Solid	300.0	42387
LCS 880-42387/2-A	Lab Control Sample	Soluble	Solid	300.0	42387
LCSD 880-42387/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42387
880-22955-1 MS	S-1 (0-0.25')	Soluble	Solid	300.0	42387
880-22955-1 MSD	S-1 (0-0.25')	Soluble	Solid	300.0	42387

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 42549 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22955-11 MS	S-4 (0.5')	Soluble	Solid	300.0	42387
880-22955-11 MSD	S-4 (0.5')	Soluble	Solid	300.0	42387

- 1
- 2
- 3
- 4
- 5
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- 9
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- 11
- 12
- 13
- 14

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.25')

Lab Sample ID: 880-22955-1

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 02:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 13:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 15:06	CH	EET MID

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-22955-2

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 02:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 14:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	42549	12/27/22 15:21	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-22955-3

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 02:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 14:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	42549	12/27/22 15:26	CH	EET MID

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-22955-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 03:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-0.25')

Lab Sample ID: 880-22955-4

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 14:51	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42549	12/27/22 15:31	CH	EET MID

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-22955-5

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 15:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42549	12/27/22 15:36	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-22955-6

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 03:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 15:37	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42549	12/27/22 15:51	CH	EET MID

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-22955-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 15:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-0.25')

Lab Sample ID: 880-22955-7

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42549	12/27/22 15:56	CH	EET MID

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-22955-8

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 04:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 16:20	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42549	12/27/22 16:00	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-22955-9

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 16:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	42549	12/27/22 16:05	CH	EET MID

Client Sample ID: S-4 (0-0.25')

Lab Sample ID: 880-22955-10

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 17:02	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 16:10	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0.5')

Lab Sample ID: 880-22955-11

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 06:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 16:15	CH	EET MID

Client Sample ID: S-4 (1')

Lab Sample ID: 880-22955-12

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 07:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 16:30	CH	EET MID

Client Sample ID: S-5 (0-0.25')

Lab Sample ID: 880-22955-13

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 07:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 18:28	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 16:35	CH	EET MID

Client Sample ID: S-5 (0.5')

Lab Sample ID: 880-22955-14

Date Collected: 12/19/22 00:00

Matrix: Solid

Date Received: 12/20/22 14:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 07:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (0.5')

Date Collected: 12/19/22 00:00

Date Received: 12/20/22 14:04

Lab Sample ID: 880-22955-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 18:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 16:50	CH	EET MID

Client Sample ID: S-6 (0-0.25')

Date Collected: 12/19/22 00:00

Date Received: 12/20/22 14:04

Lab Sample ID: 880-22955-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 08:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 19:55	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 16:55	CH	EET MID

Client Sample ID: S-6 (0.5')

Date Collected: 12/19/22 00:00

Date Received: 12/20/22 14:04

Lab Sample ID: 880-22955-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 08:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 20:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 17:00	CH	EET MID

Client Sample ID: S-6 (1')

Date Collected: 12/19/22 00:00

Date Received: 12/20/22 14:04

Lab Sample ID: 880-22955-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 08:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 20:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (1')
Date Collected: 12/19/22 00:00
Date Received: 12/20/22 14:04

Lab Sample ID: 880-22955-19
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 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	42549	12/27/22 17:05	CH	EET MID

Client Sample ID: S-6 (1.5')
Date Collected: 12/19/22 00:00
Date Received: 12/20/22 14:04

Lab Sample ID: 880-22955-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42725	12/27/22 14:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42792	12/29/22 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42885	12/29/22 11:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42515	12/22/22 12:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42321	12/20/22 15:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42363	12/21/22 20:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42387	12/21/22 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42549	12/27/22 17:10	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
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Method Summary

Client: Carmona Resources

Job ID: 880-22955-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-22955-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22955-1	S-1 (0-0.25')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-2	S-1 (0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-3	S-1 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-4	S-2 (0-0.25')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-5	S-2 (0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-6	S-2 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-7	S-3 (0-0.25')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-8	S-3 (0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-9	S-3 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-10	S-4 (0-0.25')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-11	S-4 (0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-12	S-4 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-13	S-5 (0-0.25')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-14	S-5 (0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-17	S-6 (0-0.25')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-18	S-6 (0.5')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-19	S-6 (1')	Solid	12/19/22 00:00	12/20/22 14:04
880-22955-20	S-6 (1.5')	Solid	12/19/22 00:00	12/20/22 14:04

Project Manager	Comer Moehring	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other

Work Order No: 22955

Project Name				Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number		1209		☐ Routine ☒ Rush		Press. Code																					
Project Location		Lea County, New Mexico		Due Date		72 Hrs														None NO DI Water H ₂ O							
Sampler's Name		GPJMM																		Cool Cool MeOH Me							
PO #.																				HCL HC HNO ₃ HN							
SAMPLE RECEIPT		Temp Blank		Yes (No)		Wet Ice																H ₂ SO ₄ H ₂ NaOH Na					
Received Intact		Yes No		Thermometer ID																		H ₃ PO ₄ HP					
Cooler Custody Seals		Yes No		Correction Factor																		NaHSO ₄ NABIS					
Sample Custody Seals		Yes No		Temperature Reading																		Na ₂ S ₂ O ₃ NaSO ₃					
Total Containers				Corrected Temperature																		Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-1 (0-0.25')		12/19/2022				X				G		1		X X X X												402	
S-1 (0.5')		12/19/2022				X				G		1		X X X X													
S-1 (1')		12/19/2022				X				G		1		X X X X													
S-2 (0-0.25')		12/19/2022				X				G		1		X X X X													
S-2 (0.5')		12/19/2022				X				G		1		X X X X													
S-2 (1')		12/19/2022				X				G		1		X X X X													
S-3 (0-0.25')		12/19/2022				X				G		1		X X X X													
S-3 (0.5')		12/19/2022				X				G		1		X X X X													
S-3 (1')		12/19/2022				X				G		1		X X X X													
S-4 (0-0.25')		12/19/2022				X				G		1		X X X X													



880-22955 Chain of Custody

Comments Email to Mike Carmona / Mccarmona@carmonaresources.com and Corner Moehring / Cmoehring@carmonaresources.com

[illegible]

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Work Order No: 22955

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Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City State ZIP	
Phone	432-813-6823	Email	

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

Project Name	Superman Water Treatment Facility (11 07 22)	Turn Around	☐ Routine	☒ Rush	72 Hrs
Project Number	1209	Due Date			
Project Location	Lee County New Mexico	GP/JMM			
Sampler's Name		Temp Blank	Yes	No	
PO #		Thermometer ID	Yes	No	
SAMPLE RECEIPT		Correction Factor	Yes	No	
Received Intact	Yes	Temperature Reading	Yes	No	
Cooler Custody Seals	Yes	Corrected Temperature	Yes	No	
Sample Custody Seals	Yes		Yes	No	
Total Containers			Yes	No	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
S-4 (0.5')	12/19/2022		X		G	1	BTEX 8021B		None NO
S-4 (1')	12/19/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)		DI Water H ₂ O
S-5 (0-0.25')	12/19/2022		X		G	1	Chloride 300.0		Cool Cool
S-5 (0.5')	12/19/2022		X		G	1			HCL HC
S-5 (1')	12/19/2022		X		G	1			H ₂ SO ₄ H ₂
S-5 (1.5')	12/19/2022		X		G	1			H ₃ PO ₄ HP
S-6 (0-0.25')	12/19/2022		X		G	1			NaHSO ₄ NABIS
S-6 (0.5')	12/19/2022		X		G	1			Na ₂ S ₂ O ₃ NaSO ₃
S-6 (1')	12/19/2022		X		G	1			Zn Acetate+NaOH Zn
S-6 (1.5')	12/19/2022		X		G	1			NaOH+Ascorbic Acid SAPC

Loc: 880	22955
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Comments: Email to Mike Carmona / Mccarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22955-1

SDG Number: Lea County, New Mexico

Login Number: 22955

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/24/2023 2:45:21 PM

JOB DESCRIPTION

Superman Water Treatment Facility (11.07.22)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-23980-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland**Job Notes**

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

Authorization

Generated
1/24/2023 2:45:21 PM

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

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Laboratory Job ID: 880-23980-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Job ID: 880-23980-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-23980-1****Receipt**

The samples were received on 1/23/2023 9:35 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 0.3°C

Receipt Exceptions

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-5 (1.5') (880-23980-25), SW-11 (1.5') (880-23980-31), SW-14 (0.5') (880-23980-34) and SW-16 (0.5') (880-23980-36). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-4 (1.5') (880-23980-4) and CS-7 (1.5') (880-23980-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-14 (0.5') (880-23980-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-44591 and analytical batch 880-44516 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The samples with detections will be re-analyzed for confirmation.

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: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-23980-1

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 13:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 13:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 13:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/23/23 10:55	01/23/23 13:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 13:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/23/23 10:55	01/23/23 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/23/23 10:55	01/23/23 13:58	1
1,4-Difluorobenzene (Surr)	115		70 - 130	01/23/23 10:55	01/23/23 13:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/23/23 23:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/23/23 23:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/23/23 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	01/23/23 15:34	01/23/23 23:16	1
o-Terphenyl	93		70 - 130	01/23/23 15:34	01/23/23 23:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.1		5.03		mg/Kg			01/23/23 20:39	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-23980-2

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/23/23 10:55	01/23/23 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/23/23 10:55	01/23/23 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/23/23 10:55	01/23/23 14:18	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/23/23 10:55	01/23/23 14:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-23980-2

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 00:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/23/23 15:34	01/24/23 00:18	1
o-Terphenyl	80		70 - 130				01/23/23 15:34	01/24/23 00:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.0		5.00		mg/Kg			01/23/23 20:57	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-23980-3

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 14:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 14:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 14:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 14:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 14:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/23/23 10:55	01/23/23 14:39	1
1,4-Difluorobenzene (Surr)	116		70 - 130				01/23/23 10:55	01/23/23 14:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 00:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-23980-3

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/23/23 15:34	01/24/23 00:37	1
o-Terphenyl	73		70 - 130				01/23/23 15:34	01/24/23 00:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.4		4.97		mg/Kg			01/23/23 21:03	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-23980-4

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 14:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 14:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				01/23/23 10:55	01/23/23 14:59	1
1,4-Difluorobenzene (Surr)	115		70 - 130				01/23/23 10:55	01/23/23 14:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.3		50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 00:57	1
Diesel Range Organics (Over C10-C28)	73.3		50.0		mg/Kg		01/23/23 15:34	01/24/23 00:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/23/23 15:34	01/24/23 00:57	1
o-Terphenyl	68	S1-	70 - 130				01/23/23 15:34	01/24/23 00:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.5		5.05		mg/Kg			01/23/23 21:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-23980-5

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 15:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/23/23 10:55	01/23/23 15:20	1
1,4-Difluorobenzene (Surr)	116		70 - 130				01/23/23 10:55	01/23/23 15:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				01/23/23 15:34	01/24/23 01:17	1
o-Terphenyl	88		70 - 130				01/23/23 15:34	01/24/23 01:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.2		4.99		mg/Kg			01/23/23 21:16	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-23980-6

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 15:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 15:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				01/23/23 10:55	01/23/23 15:40	1
1,4-Difluorobenzene (Surr)	118		70 - 130				01/23/23 10:55	01/23/23 15:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-23980-6

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/23/23 15:34	01/24/23 01:38	1
o-Terphenyl	72		70 - 130				01/23/23 15:34	01/24/23 01:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.1		5.01		mg/Kg			01/23/23 21:34	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-23980-7

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 16:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 16:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 16:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 16:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 16:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/23/23 10:55	01/23/23 16:01	1
1,4-Difluorobenzene (Surr)	115		70 - 130				01/23/23 10:55	01/23/23 16:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-23980-7

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	35	S1-	70 - 130				01/23/23 15:34	01/24/23 01:58	1
o-Terphenyl	34	S1-	70 - 130				01/23/23 15:34	01/24/23 01:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.6		5.00		mg/Kg			01/23/23 21:41	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-23980-8

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 16:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 16:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 16:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/23/23 10:55	01/23/23 16:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 16:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/23/23 10:55	01/23/23 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				01/23/23 10:55	01/23/23 16:21	1
1,4-Difluorobenzene (Surr)	116		70 - 130				01/23/23 10:55	01/23/23 16:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 02:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 02:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				01/23/23 15:34	01/24/23 02:19	1
o-Terphenyl	71		70 - 130				01/23/23 15:34	01/24/23 02:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.4		5.02		mg/Kg			01/23/23 21:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-23980-9

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 16:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 16:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 16:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/23/23 10:55	01/23/23 16:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 16:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/23/23 10:55	01/23/23 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	01/23/23 10:55	01/23/23 16:42	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/23/23 10:55	01/23/23 16:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/23/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 02:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	01/23/23 15:34	01/24/23 02:39	1
o-Terphenyl	118		70 - 130	01/23/23 15:34	01/24/23 02:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		5.01		mg/Kg			01/23/23 21:53	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23980-10

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 17:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 17:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/23/23 10:55	01/23/23 17:03	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/23/23 10:55	01/23/23 17:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23980-10

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 02:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				01/23/23 15:34	01/24/23 02:59	1
o-Terphenyl	96		70 - 130				01/23/23 15:34	01/24/23 02:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		5.00		mg/Kg			01/23/23 21:59	1

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-23980-11

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 18:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 18:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 18:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 18:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 18:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				01/23/23 10:55	01/23/23 18:53	1
1,4-Difluorobenzene (Surr)	115		70 - 130				01/23/23 10:55	01/23/23 18:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 03:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 03:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-23980-11

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				01/23/23 15:34	01/24/23 03:39	1
o-Terphenyl	91		70 - 130				01/23/23 15:34	01/24/23 03:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.1		5.00		mg/Kg			01/23/23 22:05	1

Client Sample ID: CS-12 (0.5')

Lab Sample ID: 880-23980-12

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 19:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 19:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 19:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/23/23 10:55	01/23/23 19:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/23/23 10:55	01/23/23 19:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/23/23 10:55	01/23/23 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/23/23 10:55	01/23/23 19:14	1
1,4-Difluorobenzene (Surr)	114		70 - 130				01/23/23 10:55	01/23/23 19:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 04:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 04:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				01/23/23 15:34	01/24/23 04:00	1
o-Terphenyl	84		70 - 130				01/23/23 15:34	01/24/23 04:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.9		5.02		mg/Kg			01/23/23 22:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (0.5')

Lab Sample ID: 880-23980-13

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/23/23 10:55	01/23/23 19:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/23/23 10:55	01/23/23 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/23/23 10:55	01/23/23 19:34	1
1,4-Difluorobenzene (Surr)	116		70 - 130	01/23/23 10:55	01/23/23 19:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 04:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 04:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	01/23/23 15:34	01/24/23 04:20	1
o-Terphenyl	90		70 - 130	01/23/23 15:34	01/24/23 04:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.00		mg/Kg			01/23/23 22:30	1

Client Sample ID: CS-14 (0.5')

Lab Sample ID: 880-23980-14

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 10:55	01/23/23 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 19:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 10:55	01/23/23 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/23/23 10:55	01/23/23 19:55	1
1,4-Difluorobenzene (Surr)	117		70 - 130	01/23/23 10:55	01/23/23 19:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (0.5')

Lab Sample ID: 880-23980-14

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 04:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	54	S1-	70 - 130				01/23/23 15:34	01/24/23 04:41	1
o-Terphenyl	54	S1-	70 - 130				01/23/23 15:34	01/24/23 04:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.4		4.98		mg/Kg			01/23/23 22:48	1

Client Sample ID: CS-15 (0.5')

Lab Sample ID: 880-23980-15

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 20:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 20:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 20:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 20:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 20:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				01/23/23 10:55	01/23/23 20:15	1
1,4-Difluorobenzene (Surr)	113		70 - 130				01/23/23 10:55	01/23/23 20:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 05:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 05:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-15 (0.5')

Lab Sample ID: 880-23980-15

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/24/23 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				01/23/23 15:34	01/24/23 05:01	1
o-Terphenyl	88		70 - 130				01/23/23 15:34	01/24/23 05:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.2		4.95		mg/Kg			01/23/23 22:55	1

Client Sample ID: CS-16 (0.5')

Lab Sample ID: 880-23980-16

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 20:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 20:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 20:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 10:55	01/23/23 20:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 20:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 10:55	01/23/23 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				01/23/23 10:55	01/23/23 20:36	1
1,4-Difluorobenzene (Surr)	115		70 - 130				01/23/23 10:55	01/23/23 20:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 05:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 05:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				01/23/23 15:34	01/24/23 05:21	1
o-Terphenyl	90		70 - 130				01/23/23 15:34	01/24/23 05:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.6		5.00		mg/Kg			01/23/23 23:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (0.5')

Lab Sample ID: 880-23980-17

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 20:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 20:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 20:56	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/23/23 10:55	01/23/23 20:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/23/23 10:55	01/23/23 20:56	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/23/23 10:55	01/23/23 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/23/23 10:55	01/23/23 20:56	1
1,4-Difluorobenzene (Surr)	113		70 - 130	01/23/23 10:55	01/23/23 20:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 05:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 05:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	01/23/23 15:34	01/24/23 05:42	1
o-Terphenyl	92		70 - 130	01/23/23 15:34	01/24/23 05:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.99		mg/Kg			01/23/23 23:07	1

Client Sample ID: CS-18 (0.5')

Lab Sample ID: 880-23980-18

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 21:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 21:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 21:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 21:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 10:55	01/23/23 21:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 10:55	01/23/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/23/23 10:55	01/23/23 21:17	1
1,4-Difluorobenzene (Surr)	119		70 - 130	01/23/23 10:55	01/23/23 21:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-18 (0.5')

Lab Sample ID: 880-23980-18

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 06:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 06:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				01/23/23 15:34	01/24/23 06:03	1
o-Terphenyl	72		70 - 130				01/23/23 15:34	01/24/23 06:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.8		5.01		mg/Kg			01/23/23 23:13	1

Client Sample ID: CS-19 (0.5')

Lab Sample ID: 880-23980-19

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 21:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 21:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 21:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 21:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 21:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				01/23/23 10:55	01/23/23 21:37	1
1,4-Difluorobenzene (Surr)	117		70 - 130				01/23/23 10:55	01/23/23 21:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 06:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 06:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-19 (0.5')

Lab Sample ID: 880-23980-19

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:34	01/24/23 06:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				01/23/23 15:34	01/24/23 06:24	1
o-Terphenyl	90		70 - 130				01/23/23 15:34	01/24/23 06:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.6		4.97		mg/Kg			01/23/23 23:19	1

Client Sample ID: CS-20 (0.5')

Lab Sample ID: 880-23980-20

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 21:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 21:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 21:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 21:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 10:55	01/23/23 21:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 10:55	01/23/23 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/23/23 10:55	01/23/23 21:58	1
1,4-Difluorobenzene (Surr)	116		70 - 130				01/23/23 10:55	01/23/23 21:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/24/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/23/23 15:34	01/24/23 06:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/23/23 15:34	01/24/23 06:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/23/23 15:34	01/24/23 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				01/23/23 15:34	01/24/23 06:47	1
o-Terphenyl	84		70 - 130				01/23/23 15:34	01/24/23 06:47	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.0		4.98		mg/Kg			01/23/23 23:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-23980-21

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/23/23 11:04	01/24/23 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/23/23 11:04	01/24/23 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	01/23/23 11:04	01/24/23 00:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/23/23 11:04	01/24/23 00:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/23/23 23:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1	50.0		mg/Kg		01/23/23 15:38	01/23/23 23:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/23/23 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	01/23/23 15:38	01/23/23 23:16	1
o-Terphenyl	105		70 - 130	01/23/23 15:38	01/23/23 23:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1		5.05		mg/Kg			01/23/23 16:57	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-23980-22

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 00:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/23/23 11:04	01/24/23 00:26	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/23/23 11:04	01/24/23 00:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-23980-22

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		01/23/23 15:38	01/24/23 00:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				01/23/23 15:38	01/24/23 00:18	1
o-Terphenyl	104		70 - 130				01/23/23 15:38	01/24/23 00:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.6		5.04		mg/Kg			01/23/23 17:03	1

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-23980-23

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 00:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 00:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 00:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 00:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/23/23 11:04	01/24/23 00:46	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/23/23 11:04	01/24/23 00:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		01/23/23 15:38	01/24/23 00:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-23980-23

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				01/23/23 15:38	01/24/23 00:37	1
o-Terphenyl	92		70 - 130				01/23/23 15:38	01/24/23 00:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.5		5.00		mg/Kg			01/23/23 17:22	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-23980-24

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 01:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 01:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 01:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 01:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 01:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				01/23/23 11:04	01/24/23 01:07	1
1,4-Difluorobenzene (Surr)	89		70 - 130				01/23/23 11:04	01/24/23 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 00:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		01/23/23 15:38	01/24/23 00:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				01/23/23 15:38	01/24/23 00:57	1
o-Terphenyl	89		70 - 130				01/23/23 15:38	01/24/23 00:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.2		5.00		mg/Kg			01/23/23 17:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-23980-25

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 01:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 01:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 01:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 01:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 01:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	01/23/23 11:04	01/24/23 01:27	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	01/23/23 11:04	01/24/23 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 01:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		01/23/23 15:38	01/24/23 01:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	01/23/23 15:38	01/24/23 01:17	1
o-Terphenyl	106		70 - 130	01/23/23 15:38	01/24/23 01:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.5		5.03		mg/Kg			01/23/23 17:34	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-23980-26

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 01:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 01:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 01:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 11:04	01/24/23 01:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 01:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 11:04	01/24/23 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/23/23 11:04	01/24/23 01:47	1
1,4-Difluorobenzene (Surr)	76		70 - 130	01/23/23 11:04	01/24/23 01:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-23980-26

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 01:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		01/23/23 15:38	01/24/23 01:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				01/23/23 15:38	01/24/23 01:38	1
o-Terphenyl	96		70 - 130				01/23/23 15:38	01/24/23 01:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		5.02		mg/Kg			01/23/23 17:40	1

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-23980-27

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/23/23 11:04	01/24/23 02:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/23/23 11:04	01/24/23 02:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/23/23 11:04	01/24/23 02:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/23/23 11:04	01/24/23 02:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/23/23 11:04	01/24/23 02:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/23/23 11:04	01/24/23 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/23/23 11:04	01/24/23 02:08	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/23/23 11:04	01/24/23 02:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/23/23 15:38	01/24/23 01:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		01/23/23 15:38	01/24/23 01:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-23980-27

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/23/23 15:38	01/24/23 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				01/23/23 15:38	01/24/23 01:58	1
o-Terphenyl	71		70 - 130				01/23/23 15:38	01/24/23 01:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.8		4.98		mg/Kg			01/23/23 17:46	1

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-23980-28

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 02:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				01/23/23 11:04	01/24/23 02:28	1
1,4-Difluorobenzene (Surr)	82		70 - 130				01/23/23 11:04	01/24/23 02:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U +	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				01/23/23 15:38	01/24/23 02:19	1
o-Terphenyl	104		70 - 130				01/23/23 15:38	01/24/23 02:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.8		4.96		mg/Kg			01/23/23 17:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-23980-29

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 02:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 02:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	01/23/23 11:04	01/24/23 02:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130	01/23/23 11:04	01/24/23 02:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	01/23/23 15:38	01/24/23 02:39	1
o-Terphenyl	132	S1+	70 - 130	01/23/23 15:38	01/24/23 02:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.7		5.04		mg/Kg			01/23/23 18:11	1

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-23980-30

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 03:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 03:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 03:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 03:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 03:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	01/23/23 11:04	01/24/23 03:09	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/23/23 11:04	01/24/23 03:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-23980-30

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				01/23/23 15:38	01/24/23 02:59	1
o-Terphenyl	87		70 - 130				01/23/23 15:38	01/24/23 02:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.2		4.97		mg/Kg			01/23/23 18:17	1

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-23980-31

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 04:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 04:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 04:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/23/23 11:04	01/24/23 04:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 04:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/23/23 11:04	01/24/23 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				01/23/23 11:04	01/24/23 04:32	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				01/23/23 11:04	01/24/23 04:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 03:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		01/23/23 15:38	01/24/23 03:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-23980-31

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				01/23/23 15:38	01/24/23 03:39	1
o-Terphenyl	113		70 - 130				01/23/23 15:38	01/24/23 03:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		5.03		mg/Kg			01/23/23 18:35	1

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-23980-32

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 04:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 04:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 04:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 04:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 04:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 04:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				01/23/23 11:04	01/24/23 04:52	1
1,4-Difluorobenzene (Surr)	80		70 - 130				01/23/23 11:04	01/24/23 04:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U +	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				01/23/23 15:38	01/24/23 04:00	1
o-Terphenyl	102		70 - 130				01/23/23 15:38	01/24/23 04:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.0		5.00		mg/Kg			01/23/23 18:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (0.5')

Lab Sample ID: 880-23980-33

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 05:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 05:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 05:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 05:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 05:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	01/23/23 11:04	01/24/23 05:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130	01/23/23 11:04	01/24/23 05:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U *	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	01/23/23 15:38	01/24/23 04:20	1
o-Terphenyl	75		70 - 130	01/23/23 15:38	01/24/23 04:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		4.98		mg/Kg			01/23/23 18:48	1

Client Sample ID: SW-14 (0.5')

Lab Sample ID: 880-23980-34

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 05:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 05:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 05:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 05:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/24/23 05:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 11:04	01/24/23 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	01/23/23 11:04	01/24/23 05:33	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	01/23/23 11:04	01/24/23 05:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-14 (0.5')

Lab Sample ID: 880-23980-34

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:38	01/24/23 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				01/23/23 15:38	01/24/23 04:41	1
o-Terphenyl	82		70 - 130				01/23/23 15:38	01/24/23 04:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.8		4.97		mg/Kg			01/23/23 18:54	1

Client Sample ID: SW-15 (0.5')

Lab Sample ID: 880-23980-35

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 05:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 05:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 05:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 11:04	01/24/23 05:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 11:04	01/24/23 05:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 11:04	01/24/23 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				01/23/23 11:04	01/24/23 05:53	1
1,4-Difluorobenzene (Surr)	84		70 - 130				01/23/23 11:04	01/24/23 05:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 05:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		01/23/23 15:38	01/24/23 05:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (0.5')

Lab Sample ID: 880-23980-35

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				01/23/23 15:38	01/24/23 05:01	1
o-Terphenyl	87		70 - 130				01/23/23 15:38	01/24/23 05:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.02		mg/Kg			01/23/23 19:00	1

Client Sample ID: SW-16 (0.5')

Lab Sample ID: 880-23980-36

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 06:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 06:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 06:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 06:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 11:04	01/24/23 06:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 11:04	01/24/23 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130				01/23/23 11:04	01/24/23 06:14	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/23/23 11:04	01/24/23 06:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/24/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 05:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U **	49.9		mg/Kg		01/23/23 15:38	01/24/23 05:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/24/23 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				01/23/23 15:38	01/24/23 05:21	1
o-Terphenyl	114		70 - 130				01/23/23 15:38	01/24/23 05:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.01		mg/Kg			01/23/23 19:06	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-23980-1	CS-1 (1.5')	96	115
880-23980-1 MS	CS-1 (1.5')	95	108
880-23980-1 MSD	CS-1 (1.5')	97	115
880-23980-2	CS-2 (1.5')	101	116
880-23980-3	CS-3 (1.5')	100	116
880-23980-4	CS-4 (1.5')	95	115
880-23980-5	CS-5 (1.5')	102	116
880-23980-6	CS-6 (1.5')	101	118
880-23980-7	CS-7 (1.5')	100	115
880-23980-8	CS-8 (1.5')	101	116
880-23980-9	CS-9 (1.5')	102	116
880-23980-10	CS-10 (1.5')	104	116
880-23980-11	CS-11 (1.5')	95	115
880-23980-12	CS-12 (0.5')	100	114
880-23980-13	CS-13 (0.5')	98	116
880-23980-14	CS-14 (0.5')	99	117
880-23980-15	CS-15 (0.5')	101	113
880-23980-16	CS-16 (0.5')	101	115
880-23980-17	CS-17 (0.5')	101	113
880-23980-18	CS-18 (0.5')	97	119
880-23980-19	CS-19 (0.5')	99	117
880-23980-20	CS-20 (0.5')	100	116
880-23980-21	SW-1 (1.5')	82	90
880-23980-21 MS	SW-1 (1.5')	118	106
880-23980-21 MSD	SW-1 (1.5')	129	87
880-23980-22	SW-2 (1.5')	86	87
880-23980-23	SW-3 (1.5')	114	81
880-23980-24	SW-4 (1.5')	84	89
880-23980-25	SW-5 (1.5')	83	65 S1-
880-23980-26	SW-6 (1.5')	88	76
880-23980-27	SW-7 (1.5')	109	81
880-23980-28	SW-8 (1.5')	111	82
880-23980-29	SW-9 (1.5')	74	84
880-23980-30	SW-10 (1.5')	70	86
880-23980-31	SW-11 (1.5')	83	67 S1-
880-23980-32	SW-12 (1.5')	88	80
880-23980-33	SW-13 (0.5')	85	90
880-23980-34	SW-14 (0.5')	83	67 S1-
880-23980-35	SW-15 (0.5')	89	84
880-23980-36	SW-16 (0.5')	64 S1-	93
LCS 880-44534/1-A	Lab Control Sample	93	113
LCS 880-44535/1-A	Lab Control Sample	100	101
LCSD 880-44534/2-A	Lab Control Sample Dup	95	113
LCSD 880-44535/2-A	Lab Control Sample Dup	104	97
MB 880-44527/5-A	Method Blank	79	91
MB 880-44534/5-A	Method Blank	100	112
MB 880-44535/5-A	Method Blank	78	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-23980-1	CS-1 (1.5')	94	93
880-23980-1 MS	CS-1 (1.5')	88	77
880-23980-1 MSD	CS-1 (1.5')	86	78
880-23980-2	CS-2 (1.5')	80	80
880-23980-3	CS-3 (1.5')	74	73
880-23980-4	CS-4 (1.5')	72	68 S1-
880-23980-5	CS-5 (1.5')	89	88
880-23980-6	CS-6 (1.5')	74	72
880-23980-7	CS-7 (1.5')	35 S1-	34 S1-
880-23980-8	CS-8 (1.5')	73	71
880-23980-9	CS-9 (1.5')	122	118
880-23980-10	CS-10 (1.5')	98	96
880-23980-11	CS-11 (1.5')	93	91
880-23980-12	CS-12 (0.5')	86	84
880-23980-13	CS-13 (0.5')	92	90
880-23980-14	CS-14 (0.5')	54 S1-	54 S1-
880-23980-15	CS-15 (0.5')	89	88
880-23980-16	CS-16 (0.5')	91	90
880-23980-17	CS-17 (0.5')	94	92
880-23980-18	CS-18 (0.5')	73	72
880-23980-19	CS-19 (0.5')	90	90
880-23980-20	CS-20 (0.5')	85	84
880-23980-21	SW-1 (1.5')	110	105
880-23980-21 MS	SW-1 (1.5')	133 S1+	116
880-23980-21 MSD	SW-1 (1.5')	130	105
880-23980-22	SW-2 (1.5')	115	104
880-23980-23	SW-3 (1.5')	100	92
880-23980-24	SW-4 (1.5')	103	89
880-23980-25	SW-5 (1.5')	120	106
880-23980-26	SW-6 (1.5')	104	96
880-23980-27	SW-7 (1.5')	81	71
880-23980-28	SW-8 (1.5')	118	104
880-23980-29	SW-9 (1.5')	138 S1+	132 S1+
880-23980-30	SW-10 (1.5')	99	87
880-23980-31	SW-11 (1.5')	125	113
880-23980-32	SW-12 (1.5')	111	102
880-23980-33	SW-13 (0.5')	83	75
880-23980-34	SW-14 (0.5')	93	82
880-23980-35	SW-15 (0.5')	98	87
880-23980-36	SW-16 (0.5')	127	114
LCS 880-44590/2-A	Lab Control Sample	83	85
LCS 880-44591/2-A	Lab Control Sample	127	116
LCSD 880-44590/3-A	Lab Control Sample Dup	89	90
LCSD 880-44591/3-A	Lab Control Sample Dup	112	104
MB 880-44590/1-A	Method Blank	88	89
MB 880-44591/1-A	Method Blank	127	116

Surrogate Legend

1CO = 1-Chlorooctane

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Surrogate Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)
OTPH = o-Terphenyl

Job ID: 880-23980-1
SDG: Lea County, New Mexico

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44527/5-A

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 08:00	01/23/23 13:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 08:00	01/23/23 13:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 08:00	01/23/23 13:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 08:00	01/23/23 13:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 08:00	01/23/23 13:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 08:00	01/23/23 13:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	01/23/23 08:00	01/23/23 13:05	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/23/23 08:00	01/23/23 13:05	1

Lab Sample ID: MB 880-44534/5-A

Matrix: Solid

Analysis Batch: 44511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 13:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/23/23 10:55	01/23/23 13:29	1
1,4-Difluorobenzene (Surr)	112		70 - 130	01/23/23 10:55	01/23/23 13:29	1

Lab Sample ID: LCS 880-44534/1-A

Matrix: Solid

Analysis Batch: 44511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09568		mg/Kg		96	70 - 130
Toluene	0.100	0.08821		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08575		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1741		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08319		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-44534/2-A

Matrix: Solid

Analysis Batch: 44511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1138		mg/Kg		114	70 - 130	17	35

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-44534/2-A

Matrix: Solid

Analysis Batch: 44511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1038		mg/Kg		104	70 - 130	16	35
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		102	70 - 130	16	35
o-Xylene	0.100	0.09718		mg/Kg		97	70 - 130	16	35

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

Lab Sample ID: 880-23980-1 MS

Matrix: Solid

Analysis Batch: 44511

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.07754		mg/Kg		77	70 - 130
Toluene	<0.00202	U	0.101	0.07320		mg/Kg		73	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.07842		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1518		mg/Kg		75	70 - 130
o-Xylene	<0.00202	U	0.101	0.07375		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-23980-1 MSD

Matrix: Solid

Analysis Batch: 44511

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.09887		mg/Kg		99	70 - 130	24	35
Toluene	<0.00202	U	0.0996	0.08471		mg/Kg		85	70 - 130	15	35
Ethylbenzene	<0.00202	U	0.0996	0.08129		mg/Kg		82	70 - 130	4	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1641		mg/Kg		82	70 - 130	8	35
o-Xylene	<0.00202	U	0.0996	0.08027		mg/Kg		81	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: MB 880-44535/5-A

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/23/23 23:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/23/23 23:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/23/23 23:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 11:04	01/23/23 23:44	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-44535/5-A

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 11:04	01/23/23 23:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 11:04	01/23/23 23:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	01/23/23 11:04	01/23/23 23:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130	01/23/23 11:04	01/23/23 23:44	1

Lab Sample ID: LCS 880-44535/1-A

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1037		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09803		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-44535/2-A

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44535

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08941		mg/Kg		89	70 - 130	17	35
Toluene	0.100	0.09526		mg/Kg		95	70 - 130	8	35
Ethylbenzene	0.100	0.09394		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1970		mg/Kg		98	70 - 130	4	35
o-Xylene	0.100	0.09899		mg/Kg		99	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-23980-21 MS

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: SW-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09712		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.0996	0.07454		mg/Kg		75	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.08794		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1721		mg/Kg		86	70 - 130
o-Xylene	<0.00200	U	0.0996	0.09877		mg/Kg		99	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23980-21 MS

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: SW-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44535

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-23980-21 MSD

Matrix: Solid

Analysis Batch: 44510

Client Sample ID: SW-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44535

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08336		mg/Kg		84	70 - 130	15	35
Toluene	<0.00200	U	0.0990	0.07963		mg/Kg		80	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0990	0.09556		mg/Kg		97	70 - 130	8	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1959		mg/Kg		99	70 - 130	13	35
o-Xylene	<0.00200	U	0.0990	0.1056		mg/Kg		107	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

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

Lab Sample ID: MB 880-44590/1-A

Matrix: Solid

Analysis Batch: 44513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44590

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		01/23/23 15:34	01/23/23 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/23/23 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/23/23 15:34	01/23/23 22:14	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	88		70 - 130	01/23/23 15:34	01/23/23 22:14	1			
o-Terphenyl	89		70 - 130	01/23/23 15:34	01/23/23 22:14	1			

Lab Sample ID: LCS 880-44590/2-A

Matrix: Solid

Analysis Batch: 44513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44590

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	712.8		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	786.7		mg/Kg		79	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	85		70 - 130

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QC Sample Results

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-44590/3-A

Matrix: Solid

Analysis Batch: 44513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 44590

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	756.1		mg/Kg		76	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	871.5		mg/Kg		87	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	89		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 880-23980-1 MS

Matrix: Solid

Analysis Batch: 44513

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44590

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	849.7		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	924.3		mg/Kg		90	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	77		70 - 130								

Lab Sample ID: 880-23980-1 MSD

Matrix: Solid

Analysis Batch: 44513

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44590

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1007		mg/Kg		96	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	921.1		mg/Kg		90	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: MB 880-44591/1-A

Matrix: Solid

Analysis Batch: 44516

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 44591

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/23/23 22:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/23/23 22:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/23/23 15:38	01/23/23 22:14	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-44591/1-A
Matrix: Solid
Analysis Batch: 44516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44591

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	01/23/23 15:38	01/23/23 22:14	1
o-Terphenyl	116		70 - 130	01/23/23 15:38	01/23/23 22:14	1

Lab Sample ID: LCS 880-44591/2-A
Matrix: Solid
Analysis Batch: 44516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44591

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			999	1183		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)			999	1595	*+	mg/Kg		160	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	127		70 - 130			
o-Terphenyl	116		70 - 130			

Lab Sample ID: LCSD 880-44591/3-A
Matrix: Solid
Analysis Batch: 44516

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44591

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			999	1013		mg/Kg		101	70 - 130	15	20	
Diesel Range Organics (Over C10-C28)			999	1381	E *+	mg/Kg		138	70 - 130	14	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	112		70 - 130			
o-Terphenyl	104		70 - 130			

Lab Sample ID: 880-23980-21 MS
Matrix: Solid
Analysis Batch: 44516

Client Sample ID: SW-1 (1.5')
Prep Type: Total/NA
Prep Batch: 44591

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1013		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1	1000	1389	E F1	mg/Kg		134	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	133	S1+	70 - 130			
o-Terphenyl	116		70 - 130			

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QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23980-21 MSD

Matrix: Solid

Analysis Batch: 44516

Client Sample ID: SW-1 (1.5')

Prep Type: Total/NA

Prep Batch: 44591

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1020		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1	998	1314	E	mg/Kg		127	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	130		70 - 130								
o-Terphenyl	105		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44528/1-A

Matrix: Solid

Analysis Batch: 44571

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			01/23/23 20:20	1

Lab Sample ID: LCS 880-44528/2-A

Matrix: Solid

Analysis Batch: 44571

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-44528/3-A

Matrix: Solid

Analysis Batch: 44571

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	258.4		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-23980-1 MS

Matrix: Solid

Analysis Batch: 44571

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.1		252	321.1		mg/Kg		109	90 - 110

Lab Sample ID: 880-23980-1 MSD

Matrix: Solid

Analysis Batch: 44571

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.1		252	321.3		mg/Kg		109	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-23980-11 MS

Matrix: Solid

Analysis Batch: 44571

Client Sample ID: CS-11 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	41.1		250	305.5		mg/Kg		106	90 - 110		

Lab Sample ID: 880-23980-11 MSD

Matrix: Solid

Analysis Batch: 44571

Client Sample ID: CS-11 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	41.1		250	306.7		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-44529/1-A

Matrix: Solid

Analysis Batch: 44572

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			01/23/23 16:08	1

Lab Sample ID: LCS 880-44529/2-A

Matrix: Solid

Analysis Batch: 44572

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	263.8		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-44529/3-A

Matrix: Solid

Analysis Batch: 44572

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	265.0		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-23980-28 MS

Matrix: Solid

Analysis Batch: 44572

Client Sample ID: SW-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	58.8		248	311.2		mg/Kg		102	90 - 110		

Lab Sample ID: 880-23980-28 MSD

Matrix: Solid

Analysis Batch: 44572

Client Sample ID: SW-8 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.8		248	309.6		mg/Kg		101	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 44510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21	SW-1 (1.5')	Total/NA	Solid	8021B	44535
880-23980-22	SW-2 (1.5')	Total/NA	Solid	8021B	44535
880-23980-23	SW-3 (1.5')	Total/NA	Solid	8021B	44535
880-23980-24	SW-4 (1.5')	Total/NA	Solid	8021B	44535
880-23980-25	SW-5 (1.5')	Total/NA	Solid	8021B	44535
880-23980-26	SW-6 (1.5')	Total/NA	Solid	8021B	44535
880-23980-27	SW-7 (1.5')	Total/NA	Solid	8021B	44535
880-23980-28	SW-8 (1.5')	Total/NA	Solid	8021B	44535
880-23980-29	SW-9 (1.5')	Total/NA	Solid	8021B	44535
880-23980-30	SW-10 (1.5')	Total/NA	Solid	8021B	44535
880-23980-31	SW-11 (1.5')	Total/NA	Solid	8021B	44535
880-23980-32	SW-12 (1.5')	Total/NA	Solid	8021B	44535
880-23980-33	SW-13 (0.5')	Total/NA	Solid	8021B	44535
880-23980-34	SW-14 (0.5')	Total/NA	Solid	8021B	44535
880-23980-35	SW-15 (0.5')	Total/NA	Solid	8021B	44535
880-23980-36	SW-16 (0.5')	Total/NA	Solid	8021B	44535
MB 880-44527/5-A	Method Blank	Total/NA	Solid	8021B	44527
MB 880-44535/5-A	Method Blank	Total/NA	Solid	8021B	44535
LCS 880-44535/1-A	Lab Control Sample	Total/NA	Solid	8021B	44535
LCSD 880-44535/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44535
880-23980-21 MS	SW-1 (1.5')	Total/NA	Solid	8021B	44535
880-23980-21 MSD	SW-1 (1.5')	Total/NA	Solid	8021B	44535

Analysis Batch: 44511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Total/NA	Solid	8021B	44534
880-23980-2	CS-2 (1.5')	Total/NA	Solid	8021B	44534
880-23980-3	CS-3 (1.5')	Total/NA	Solid	8021B	44534
880-23980-4	CS-4 (1.5')	Total/NA	Solid	8021B	44534
880-23980-5	CS-5 (1.5')	Total/NA	Solid	8021B	44534
880-23980-6	CS-6 (1.5')	Total/NA	Solid	8021B	44534
880-23980-7	CS-7 (1.5')	Total/NA	Solid	8021B	44534
880-23980-8	CS-8 (1.5')	Total/NA	Solid	8021B	44534
880-23980-9	CS-9 (1.5')	Total/NA	Solid	8021B	44534
880-23980-10	CS-10 (1.5')	Total/NA	Solid	8021B	44534
880-23980-11	CS-11 (1.5')	Total/NA	Solid	8021B	44534
880-23980-12	CS-12 (0.5')	Total/NA	Solid	8021B	44534
880-23980-13	CS-13 (0.5')	Total/NA	Solid	8021B	44534
880-23980-14	CS-14 (0.5')	Total/NA	Solid	8021B	44534
880-23980-15	CS-15 (0.5')	Total/NA	Solid	8021B	44534
880-23980-16	CS-16 (0.5')	Total/NA	Solid	8021B	44534
880-23980-17	CS-17 (0.5')	Total/NA	Solid	8021B	44534
880-23980-18	CS-18 (0.5')	Total/NA	Solid	8021B	44534
880-23980-19	CS-19 (0.5')	Total/NA	Solid	8021B	44534
880-23980-20	CS-20 (0.5')	Total/NA	Solid	8021B	44534
MB 880-44534/5-A	Method Blank	Total/NA	Solid	8021B	44534
LCS 880-44534/1-A	Lab Control Sample	Total/NA	Solid	8021B	44534
LCSD 880-44534/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44534
880-23980-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	44534
880-23980-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	44534

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QC Association Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 44527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44527/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 44534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-23980-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-23980-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-23980-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-23980-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-23980-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-23980-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-23980-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-23980-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-23980-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-23980-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-23980-12	CS-12 (0.5')	Total/NA	Solid	5035	
880-23980-13	CS-13 (0.5')	Total/NA	Solid	5035	
880-23980-14	CS-14 (0.5')	Total/NA	Solid	5035	
880-23980-15	CS-15 (0.5')	Total/NA	Solid	5035	
880-23980-16	CS-16 (0.5')	Total/NA	Solid	5035	
880-23980-17	CS-17 (0.5')	Total/NA	Solid	5035	
880-23980-18	CS-18 (0.5')	Total/NA	Solid	5035	
880-23980-19	CS-19 (0.5')	Total/NA	Solid	5035	
880-23980-20	CS-20 (0.5')	Total/NA	Solid	5035	
MB 880-44534/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44534/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44534/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23980-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-23980-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Prep Batch: 44535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21	SW-1 (1.5')	Total/NA	Solid	5035	
880-23980-22	SW-2 (1.5')	Total/NA	Solid	5035	
880-23980-23	SW-3 (1.5')	Total/NA	Solid	5035	
880-23980-24	SW-4 (1.5')	Total/NA	Solid	5035	
880-23980-25	SW-5 (1.5')	Total/NA	Solid	5035	
880-23980-26	SW-6 (1.5')	Total/NA	Solid	5035	
880-23980-27	SW-7 (1.5')	Total/NA	Solid	5035	
880-23980-28	SW-8 (1.5')	Total/NA	Solid	5035	
880-23980-29	SW-9 (1.5')	Total/NA	Solid	5035	
880-23980-30	SW-10 (1.5')	Total/NA	Solid	5035	
880-23980-31	SW-11 (1.5')	Total/NA	Solid	5035	
880-23980-32	SW-12 (1.5')	Total/NA	Solid	5035	
880-23980-33	SW-13 (0.5')	Total/NA	Solid	5035	
880-23980-34	SW-14 (0.5')	Total/NA	Solid	5035	
880-23980-35	SW-15 (0.5')	Total/NA	Solid	5035	
880-23980-36	SW-16 (0.5')	Total/NA	Solid	5035	
MB 880-44535/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44535/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44535/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 44535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21 MS	SW-1 (1.5')	Total/NA	Solid	5035	
880-23980-21 MSD	SW-1 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 44598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-12	CS-12 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-13	CS-13 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-14	CS-14 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-15	CS-15 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-16	CS-16 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-17	CS-17 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-18	CS-18 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-19	CS-19 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-20	CS-20 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-21	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-22	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-23	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-24	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-25	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-26	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-27	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-28	SW-8 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-29	SW-9 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-30	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-31	SW-11 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-32	SW-12 (1.5')	Total/NA	Solid	Total BTEX	
880-23980-33	SW-13 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-34	SW-14 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-35	SW-15 (0.5')	Total/NA	Solid	Total BTEX	
880-23980-36	SW-16 (0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 44513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	44590

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 44513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-12	CS-12 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-13	CS-13 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-14	CS-14 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-15	CS-15 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-16	CS-16 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-17	CS-17 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-18	CS-18 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-19	CS-19 (0.5')	Total/NA	Solid	8015B NM	44590
880-23980-20	CS-20 (0.5')	Total/NA	Solid	8015B NM	44590
MB 880-44590/1-A	Method Blank	Total/NA	Solid	8015B NM	44590
LCS 880-44590/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44590
LCSD 880-44590/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44590
880-23980-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	44590
880-23980-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	44590

Analysis Batch: 44516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21	SW-1 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-22	SW-2 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-23	SW-3 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-24	SW-4 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-25	SW-5 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-26	SW-6 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-27	SW-7 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-28	SW-8 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-29	SW-9 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-30	SW-10 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-31	SW-11 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-32	SW-12 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-33	SW-13 (0.5')	Total/NA	Solid	8015B NM	44591
880-23980-34	SW-14 (0.5')	Total/NA	Solid	8015B NM	44591
880-23980-35	SW-15 (0.5')	Total/NA	Solid	8015B NM	44591
880-23980-36	SW-16 (0.5')	Total/NA	Solid	8015B NM	44591
MB 880-44591/1-A	Method Blank	Total/NA	Solid	8015B NM	44591
LCS 880-44591/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44591
LCSD 880-44591/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44591
880-23980-21 MS	SW-1 (1.5')	Total/NA	Solid	8015B NM	44591
880-23980-21 MSD	SW-1 (1.5')	Total/NA	Solid	8015B NM	44591

Prep Batch: 44590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 44590 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-12	CS-12 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-13	CS-13 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-14	CS-14 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-15	CS-15 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-16	CS-16 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-17	CS-17 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-18	CS-18 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-19	CS-19 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-20	CS-20 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-44590/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44590/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44590/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23980-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 44591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-22	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-23	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-24	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-25	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-26	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-27	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-28	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-29	SW-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-30	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-31	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-32	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-33	SW-13 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-34	SW-14 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-35	SW-15 (0.5')	Total/NA	Solid	8015NM Prep	
880-23980-36	SW-16 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-44591/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44591/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44591/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23980-21 MS	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-23980-21 MSD	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-23980-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-23980-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 44614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-23980-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-23980-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-23980-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-23980-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-23980-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-23980-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-23980-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-23980-12	CS-12 (0.5')	Total/NA	Solid	8015 NM	
880-23980-13	CS-13 (0.5')	Total/NA	Solid	8015 NM	
880-23980-14	CS-14 (0.5')	Total/NA	Solid	8015 NM	
880-23980-15	CS-15 (0.5')	Total/NA	Solid	8015 NM	
880-23980-16	CS-16 (0.5')	Total/NA	Solid	8015 NM	
880-23980-17	CS-17 (0.5')	Total/NA	Solid	8015 NM	
880-23980-18	CS-18 (0.5')	Total/NA	Solid	8015 NM	
880-23980-19	CS-19 (0.5')	Total/NA	Solid	8015 NM	
880-23980-20	CS-20 (0.5')	Total/NA	Solid	8015 NM	
880-23980-21	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-23980-22	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-23980-23	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-23980-24	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-23980-25	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-23980-26	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-23980-27	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-23980-28	SW-8 (1.5')	Total/NA	Solid	8015 NM	
880-23980-29	SW-9 (1.5')	Total/NA	Solid	8015 NM	
880-23980-30	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-23980-31	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-23980-32	SW-12 (1.5')	Total/NA	Solid	8015 NM	
880-23980-33	SW-13 (0.5')	Total/NA	Solid	8015 NM	
880-23980-34	SW-14 (0.5')	Total/NA	Solid	8015 NM	
880-23980-35	SW-15 (0.5')	Total/NA	Solid	8015 NM	
880-23980-36	SW-16 (0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-23980-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-23980-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-23980-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-23980-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-23980-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-23980-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-23980-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-23980-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-23980-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-23980-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-23980-12	CS-12 (0.5')	Soluble	Solid	DI Leach	
880-23980-13	CS-13 (0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 44528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-14	CS-14 (0.5')	Soluble	Solid	DI Leach	
880-23980-15	CS-15 (0.5')	Soluble	Solid	DI Leach	
880-23980-16	CS-16 (0.5')	Soluble	Solid	DI Leach	
880-23980-17	CS-17 (0.5')	Soluble	Solid	DI Leach	
880-23980-18	CS-18 (0.5')	Soluble	Solid	DI Leach	
880-23980-19	CS-19 (0.5')	Soluble	Solid	DI Leach	
880-23980-20	CS-20 (0.5')	Soluble	Solid	DI Leach	
MB 880-44528/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44528/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44528/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23980-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-23980-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-23980-11 MS	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-23980-11 MSD	CS-11 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 44529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-23980-22	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-23980-23	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-23980-24	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-23980-25	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-23980-26	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-23980-27	SW-7 (1.5')	Soluble	Solid	DI Leach	
880-23980-28	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-23980-29	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-23980-30	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-23980-31	SW-11 (1.5')	Soluble	Solid	DI Leach	
880-23980-32	SW-12 (1.5')	Soluble	Solid	DI Leach	
880-23980-33	SW-13 (0.5')	Soluble	Solid	DI Leach	
880-23980-34	SW-14 (0.5')	Soluble	Solid	DI Leach	
880-23980-35	SW-15 (0.5')	Soluble	Solid	DI Leach	
880-23980-36	SW-16 (0.5')	Soluble	Solid	DI Leach	
MB 880-44529/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44529/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44529/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23980-28 MS	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-23980-28 MSD	SW-8 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 44571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-1	CS-1 (1.5')	Soluble	Solid	300.0	44528
880-23980-2	CS-2 (1.5')	Soluble	Solid	300.0	44528
880-23980-3	CS-3 (1.5')	Soluble	Solid	300.0	44528
880-23980-4	CS-4 (1.5')	Soluble	Solid	300.0	44528
880-23980-5	CS-5 (1.5')	Soluble	Solid	300.0	44528
880-23980-6	CS-6 (1.5')	Soluble	Solid	300.0	44528
880-23980-7	CS-7 (1.5')	Soluble	Solid	300.0	44528
880-23980-8	CS-8 (1.5')	Soluble	Solid	300.0	44528
880-23980-9	CS-9 (1.5')	Soluble	Solid	300.0	44528
880-23980-10	CS-10 (1.5')	Soluble	Solid	300.0	44528

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 44571 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-11	CS-11 (1.5')	Soluble	Solid	300.0	44528
880-23980-12	CS-12 (0.5')	Soluble	Solid	300.0	44528
880-23980-13	CS-13 (0.5')	Soluble	Solid	300.0	44528
880-23980-14	CS-14 (0.5')	Soluble	Solid	300.0	44528
880-23980-15	CS-15 (0.5')	Soluble	Solid	300.0	44528
880-23980-16	CS-16 (0.5')	Soluble	Solid	300.0	44528
880-23980-17	CS-17 (0.5')	Soluble	Solid	300.0	44528
880-23980-18	CS-18 (0.5')	Soluble	Solid	300.0	44528
880-23980-19	CS-19 (0.5')	Soluble	Solid	300.0	44528
880-23980-20	CS-20 (0.5')	Soluble	Solid	300.0	44528
MB 880-44528/1-A	Method Blank	Soluble	Solid	300.0	44528
LCS 880-44528/2-A	Lab Control Sample	Soluble	Solid	300.0	44528
LCSD 880-44528/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44528
880-23980-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	44528
880-23980-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	44528
880-23980-11 MS	CS-11 (1.5')	Soluble	Solid	300.0	44528
880-23980-11 MSD	CS-11 (1.5')	Soluble	Solid	300.0	44528

Analysis Batch: 44572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23980-21	SW-1 (1.5')	Soluble	Solid	300.0	44529
880-23980-22	SW-2 (1.5')	Soluble	Solid	300.0	44529
880-23980-23	SW-3 (1.5')	Soluble	Solid	300.0	44529
880-23980-24	SW-4 (1.5')	Soluble	Solid	300.0	44529
880-23980-25	SW-5 (1.5')	Soluble	Solid	300.0	44529
880-23980-26	SW-6 (1.5')	Soluble	Solid	300.0	44529
880-23980-27	SW-7 (1.5')	Soluble	Solid	300.0	44529
880-23980-28	SW-8 (1.5')	Soluble	Solid	300.0	44529
880-23980-29	SW-9 (1.5')	Soluble	Solid	300.0	44529
880-23980-30	SW-10 (1.5')	Soluble	Solid	300.0	44529
880-23980-31	SW-11 (1.5')	Soluble	Solid	300.0	44529
880-23980-32	SW-12 (1.5')	Soluble	Solid	300.0	44529
880-23980-33	SW-13 (0.5')	Soluble	Solid	300.0	44529
880-23980-34	SW-14 (0.5')	Soluble	Solid	300.0	44529
880-23980-35	SW-15 (0.5')	Soluble	Solid	300.0	44529
880-23980-36	SW-16 (0.5')	Soluble	Solid	300.0	44529
MB 880-44529/1-A	Method Blank	Soluble	Solid	300.0	44529
LCS 880-44529/2-A	Lab Control Sample	Soluble	Solid	300.0	44529
LCSD 880-44529/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44529
880-23980-28 MS	SW-8 (1.5')	Soluble	Solid	300.0	44529
880-23980-28 MSD	SW-8 (1.5')	Soluble	Solid	300.0	44529

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-23980-1

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/23/23 23:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 20:39	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-23980-2

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 00:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 20:57	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-23980-3

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 00:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:03	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-23980-4

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-23980-4

Date Collected: 01/18/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 00:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:10	CH	EET MID

Client Sample ID: CS-5 (1.5')

Lab Sample ID: 880-23980-5

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 01:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:16	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-23980-6

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 15:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 01:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:34	CH	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-23980-7

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 16:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 01:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-23980-7

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:41	CH	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-23980-8

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 16:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 02:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:47	CH	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-23980-9

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/23/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 02:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:53	CH	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-23980-10

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 02:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 21:59	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 03:39	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 22:05	CH	EET MID

Client Sample ID: CS-12 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 04:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 22:24	CH	EET MID

Client Sample ID: CS-13 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 04:20	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 22:30	CH	EET MID

Client Sample ID: CS-14 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 04:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 22:48	CH	EET MID

Client Sample ID: CS-15 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 05:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 22:55	CH	EET MID

Client Sample ID: CS-16 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 20:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 05:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 23:01	CH	EET MID

Client Sample ID: CS-17 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 05:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-17

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	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 23:07	CH	EET MID

Client Sample ID: CS-18 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 06:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 23:13	CH	EET MID

Client Sample ID: CS-19 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 21:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 06:24	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 23:19	CH	EET MID

Client Sample ID: CS-20 (0.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44534	01/23/23 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/23/23 21:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 09:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44590	01/23/23 15:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44513	01/24/23 06:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44528	01/23/23 10:16	KS	EET MID
Soluble	Analysis	300.0		1			44571	01/23/23 23:26	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-23980-21

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/23/23 23:16	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 16:57	CH	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-23980-22

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 00:18	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:03	CH	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-23980-23

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 00:37	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:22	CH	EET MID

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-23980-24

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 00:57	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:28	CH	EET MID

Client Sample ID: SW-5 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 01:17	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:34	CH	EET MID

Client Sample ID: SW-6 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 01:38	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:40	CH	EET MID

Client Sample ID: SW-7 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 01:58	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:46	CH	EET MID

Client Sample ID: SW-8 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 02:19	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 17:52	CH	EET MID

Client Sample ID: SW-9 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 02:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 02:39	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 18:11	CH	EET MID

Client Sample ID: SW-10 (1.5')

Date Collected: 01/20/23 00:00

Date Received: 01/23/23 09:35

Lab Sample ID: 880-23980-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 02:59	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 18:17	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-23980-31

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 03:39	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 18:35	CH	EET MID

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-23980-32

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 04:00	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 18:42	CH	EET MID

Client Sample ID: SW-13 (0.5')

Lab Sample ID: 880-23980-33

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 05:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 04:20	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 18:48	CH	EET MID

Client Sample ID: SW-14 (0.5')

Lab Sample ID: 880-23980-34

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Client Sample ID: SW-14 (0.5')

Lab Sample ID: 880-23980-34

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 04:41	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 18:54	CH	EET MID

Client Sample ID: SW-15 (0.5')

Lab Sample ID: 880-23980-35

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 05:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 05:01	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 19:00	CH	EET MID

Client Sample ID: SW-16 (0.5')

Lab Sample ID: 880-23980-36

Date Collected: 01/20/23 00:00

Matrix: Solid

Date Received: 01/23/23 09:35

Prep 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	44535	01/23/23 11:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44510	01/24/23 06:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44598	01/24/23 13:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			44614	01/24/23 15:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44591	01/23/23 15:38	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44516	01/24/23 05:21	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44529	01/23/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			44572	01/23/23 19:06	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources

Job ID: 880-23980-1

Project/Site: Superman Water Treatment Facility (11.07.22)

SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Superman Water Treatment Facility (11.07.22)

Job ID: 880-23980-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23980-1	CS-1 (1.5')	Solid	01/18/23 00:00	01/23/23 09:35
880-23980-2	CS-2 (1.5')	Solid	01/18/23 00:00	01/23/23 09:35
880-23980-3	CS-3 (1.5')	Solid	01/18/23 00:00	01/23/23 09:35
880-23980-4	CS-4 (1.5')	Solid	01/18/23 00:00	01/23/23 09:35
880-23980-5	CS-5 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-6	CS-6 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-7	CS-7 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-8	CS-8 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-9	CS-9 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-10	CS-10 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-11	CS-11 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-12	CS-12 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-13	CS-13 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-14	CS-14 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-15	CS-15 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-16	CS-16 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-17	CS-17 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-18	CS-18 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-19	CS-19 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-20	CS-20 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-21	SW-1 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-22	SW-2 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-23	SW-3 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-24	SW-4 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-25	SW-5 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-26	SW-6 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-27	SW-7 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-28	SW-8 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-29	SW-9 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-30	SW-10 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-31	SW-11 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-32	SW-12 (1.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-33	SW-13 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-34	SW-14 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-35	SW-15 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35
880-23980-36	SW-16 (0.5')	Solid	01/20/23 00:00	01/23/23 09:35

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Work Order Comments				
Program, UST/ST	☐ PRP	☐ Brownfields	☐ RC	☐ pfund
State of Project:				
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP	☐ Level IV
Deliverables EDD	☐	Adapt	☐	Other

[illegible]

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TP													Sample Comments
CS-1 (1 5)	1/18/2023		X		Comp	1	X	X	X											
CS-2 (1 5)	1/18/2023		X		Comp	1	X	X	X											
CS-3 (1 5)	1/18/2023		X		Comp	1	X	X	X											
CS-4 (1 5)	1/18/2023		X		Comp	1	X	X	X											
CS-5 (1 5)	1/20/2023		X		Comp	1	X	X	X											
CS-6 (1 5)	1/20/2023		X		Comp	1	X	X	X											
CS-7 (1 5)	1/20/2023		X		Comp	1	X	X	X											
CS-8 (1 5)	1/20/2023		X		Comp	1	X	X	X											
CS-9 (1 5)	1/20/2023		X		Comp	1	X	X	X											
CS-10 (1 5)	1/20/2023		X		Comp	1	X	X	X											



880-23980 Chain of Custody

462

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

	Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
		1/23/25 9:55		

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Work Order No: 23980

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Project Manager	Clinton Merritt	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

Work Order Comments	
Program: UST/PT	PRP Brownfields RC Interfund
State of Project:	
Reporting Level II	Level III ST/UST RRP Level IV
Deliverables EDD	ADAPT Other

Project Name	Superman Water Treatment Facility (11 07 22)	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1209	☐ Routine ☒ Rush														None NO	DI Water H ₂ O
Project Location	Lea County, New Mexico	Due Date	24Hrs													Cool Cool	MeOH Me
Sampler's Name	CCM															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											Sample Comments
CS-11 (1 5)	1/20/2023		X		Comp	1	X	X	X								
CS-12 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-13 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-14 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-15 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-16 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-17 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-18 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-19 (0 5)	1/20/2023		X		Comp	1	X	X	X								
CS-20 (0 5)	1/20/2023		X		Comp	1	X	X	X								

Comments Email to Mike Carmona / Micarmona@carmonareresources.com and Conner Noehring / Cnoehring@carmonareresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	1/20/2023		1/20/2023

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Work Order No: 23090

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Project Manager	Clinton Merritt	Bill to (if different)	Carmora Resources
Company Name	Carmora Resources	Company Name	
Address	310 W Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

Work Order Comments	
Program: UST/ST ☐ PRP ☐ Brownfields ☐ RC ☐ Inland ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Superman Water Treatment Facility (11 07 22)			Turn Around			Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number	1209			☐ Routine	☒ Rush												None NO	DI Water- H ₂ O			
Project Location	Lea County, New Mexico			Due Date	24 Hrs												Cool Cool	MeOH Me			
Sampler's Name	CCM																HCL HC	HNO ₃ HN			
PO #.																	H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT				Temp Blank.	Yes ☒ No	Yes ☒ No	Wet Ice.	Yes ☒ No	Parameters												
Received Intact.				Yes ☒ No	N/A	Thermometer ID			BTEX 8021B												
Cooler Custody Seals				Yes No	N/A	Correction Factor			TPH 8015M (GRO + DRO + MRO)												
Sample Custody Seals				Yes No	N/A	Temperature Reading			Chloride 300.0												
Total Containers						Corrected Temperature															
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW-1 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-2 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-3 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-4 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-5 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-6 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-7 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-8 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-9 (1 5)				1/20/2023		X		Comp	1	X	X	X									
SW-10 (1 5)				1/20/2023		X		Comp	1	X	X	X									

Comments Email to Mike Carmora / mcarmora@carmoraresources.com and Conner Moehring / Cmoehring@carmoraresources.com

Relinquished by (Signature)		Date/Time
		1/20/23
Received by (Signature)		Date/Time
		01/20/23

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Work Order No: 26980

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Project Manager	Clinton Merritt	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 415	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	

Program, UST/ST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Superman Water Treatment Facility (11 07 22)	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1209	☐ Routine ☒ Rush														None NO	DI Water H ₂ O
Project location	Lea County, New Mexico	Due Date	24 Hrs													Cool Cool	MeOH Me
Sampler's Name	CCM															HCL HC	HNO ₃ HN
PO #																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Thermometer ID	Wet Ice	Gas No											H ₃ PO ₄ , HP	
Received intact	Yes ☒ No ☐															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 SPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
SW-11 (1 5')	1/20/2023		X		Comp	1	X	X	X								
SW-12 (1 5')	1/20/2023		X		Comp	1	X	X	X								
SW-13 (0 5')	1/20/2023		X		Comp	1	X	X	X								
SW-14 (0 5')	1/20/2023		X		Comp	1	X	X	X								
SW-15 (0 5')	1/20/2023		X		Comp	1	X	X	X								
SW-16 (0 5')	1/20/2023		X		Comp	1	X	X	X								

Comments Email to Mike Carmona / mcarmona@carmonareresources.com and Corner Moehring / cmoehring@carmonareresources.com

Relinquished by (Signature)	Patricia	Received by (Signature)	Ball	Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23980-1

SDG Number: Lea County, New Mexico

Login Number: 23980

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 192374

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 192374
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/10/2023