CARMONA RESOURCES

SITE INFORMATION

Closure Report
Double ABJ 16 Federal Com 703H (08.26.22)
Lea County, New Mexico
Incident ID: NAPP2225128826
Unit P Sec 16 T24S R32E
32.2108°, -103.6744°

Brine Water Release
Point of Release: Failed trip hose at transfer point
Release Date: 08/26/2022
Volume Released: 22.80 barrels of Brine Water
Volume Recovered: 20.157 barrels of Brine Water

Prepared for:
Concho Operating, LLC
600 West Illinois Avenue,
Midland, Texas 79701

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

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

CARMONA RESOURCES

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

CARMONA RESOURCES

November 22, 2022

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

Re: Closure Report
Double ABJ 16 Federal Com 703H (08.26.22)
Concho Operating, LLC
Site Location: Unit P, S16, T24S, R32E
(Lat 32.2108º, Long -103.6744º)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site remediation activities at the Double ABJ 16 Federal Com 703H (08.26.22). The site is located at 32.2108, -103.6744 within Unit P, S16, T24S, 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 August 26, 2022, due to a failed trip hose at the transfer point. It released approximately twenty-two point eighty (22.80) barrels of brine water, and twenty-point one hundred fifty-seven (20.157) barrels were recovered. The impacted area occurred on the pad. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is located within a 0.50-mile radius of the location. The nearest identified well is approximately 1.16 miles Northeast of the site in S10, T24S, R32E and was drilled in 2010. The well has a reported depth to groundwater of 33.96' 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, thefollowing 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 Remediation Activities

After drilling activities were complete and the equipment was removed, a surficial scrape was completed. 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 November 8, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of concern was excavated to a depth of 1.5’ below the surface to remove all the impacted soils. A total of thirty (30) confirmation floor samples were collected (CS-1 through CS-30), and five

310 West Wall Street, Suite 415
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432.813.1992

CARMONA RESOURCES

(5) sidewall samples (SW-1 through SW-5) 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 3.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 300 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusions

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

Sincerely,
Carmona Resources, LLC

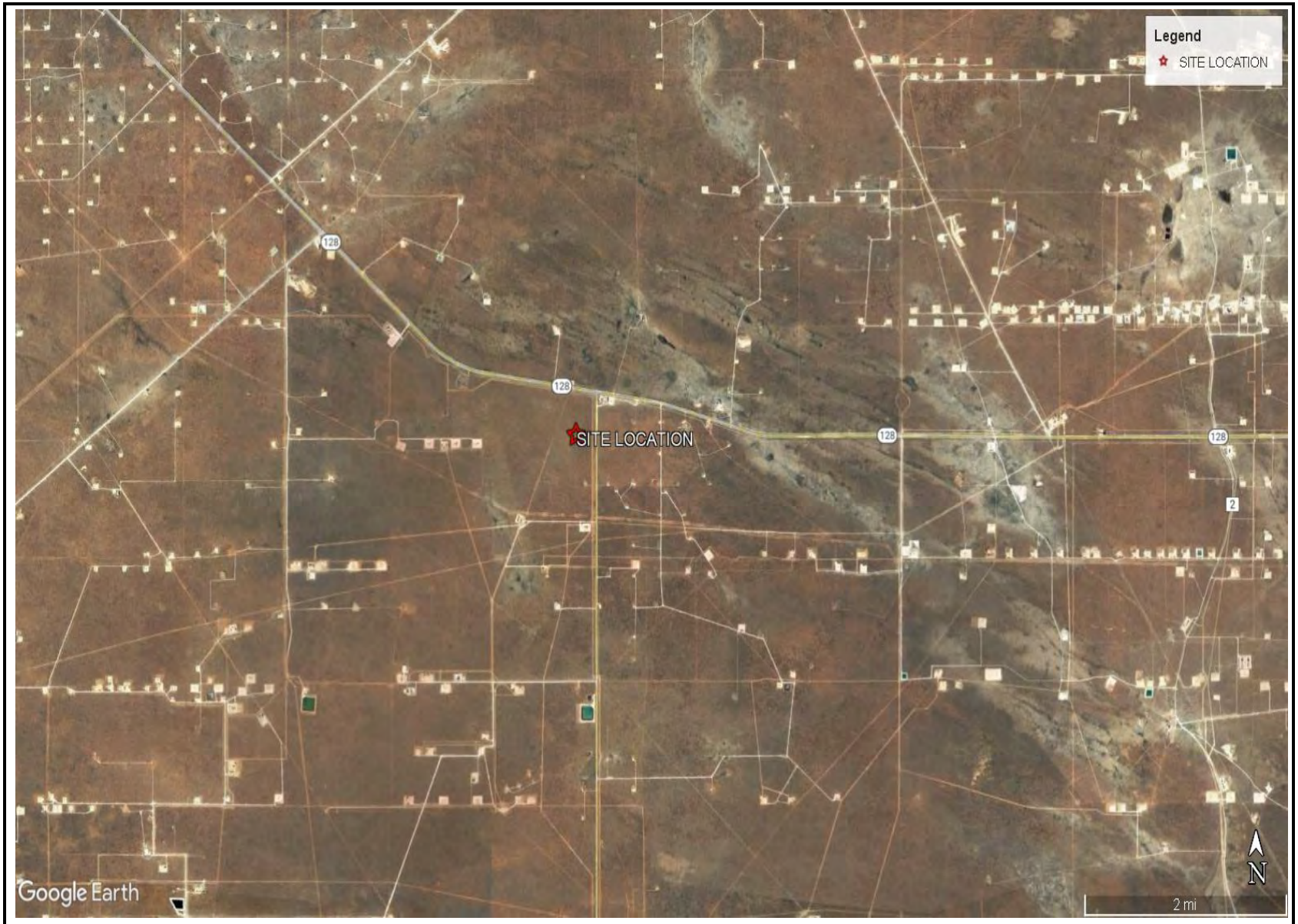
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

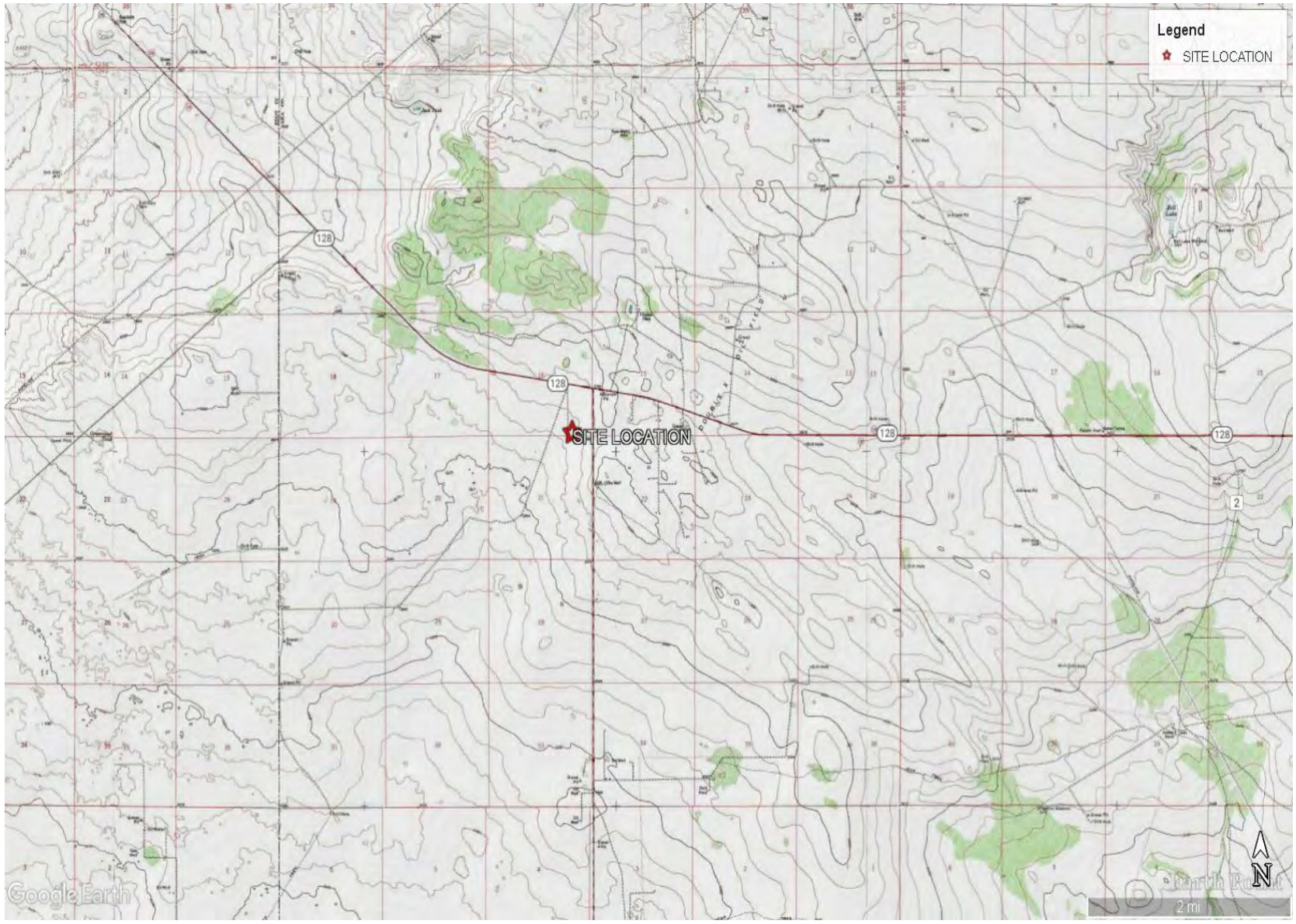
310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES



SITE OVERVIEW MAP COG OPERATING, LLC DOUBLE ABJ 16 FEDERAL COM 703H (08.26.22) LEA COUNTY, NEW MEXICO 32.2108°, -103.6744°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC DOUBLE ABJ 16 FEDERAL COM 703H (08.26.22) LEA COUNTY, NEW MEXICO 32.2108°, -103.6744°	CARMONA RESOURCES	FIGURE 2

EXCAVATION DEPTH MAP COG OPERATING, LLC DOUBLE ABJ 16 FEDERAL COM 703H (08.26.22) LEA COUNTY, NEW MEXICO 32.2108°, -103.6744°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

Table 1
COG
Double ABJ 16 Federal Com 703H (08.26.22)
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						
CS-1	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	49.7
CS-2	11/10/2022	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	89.7
CS-3	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.1
CS-4	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.3
CS-5	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	61.9
CS-6	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	123
CS-7	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	109
CS-8	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.9
CS-9	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	110
CS-10	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	59.0
CS-11	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	142
CS-12	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.3
CS-13	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.8
CS-14	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	37.1
CS-15	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.0
CS-16	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.1
CS-17	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.0
CS-18	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	41.6
CS-19	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128
CS-20	11/10/2022	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.2
CS-21	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.3
CS-22	11/10/2022	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	68.5
CS-23	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.9
CS-24	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.1
CS-25	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	32.5
CS-26	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.8
CS-27	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.1
CS-28	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.8
CS-29	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	49.4
CS-30	11/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.8
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 Floor Sample

Table 1
COG
Double ABJ 16 Federal Com 703H (08.26.22)
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						
SW-1	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.5
SW-2	11/10/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	37.4
SW-3	11/9/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.7
SW-4	11/9/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.3
SW-5	11/9/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.9
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**	**-**	**-**	**-**	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

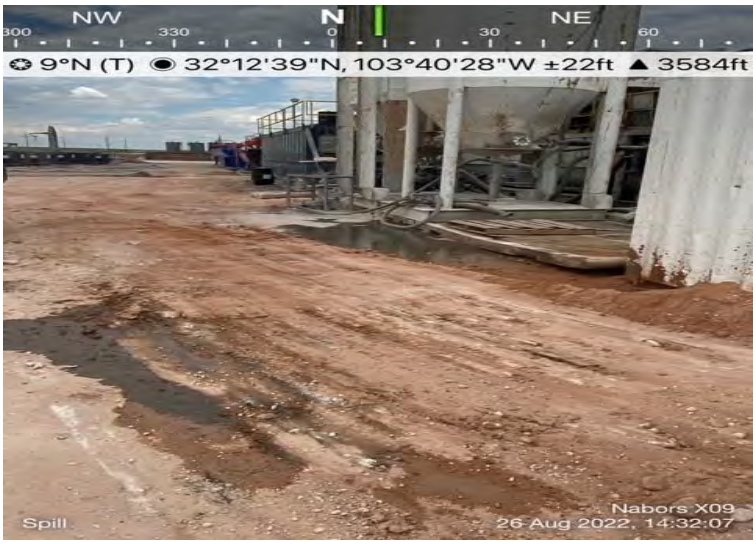
Concho Operating, LLC

Photograph No. 1

Facility: Double ABJ Federal Com 703H (08.26.22)

County: Lea County, New Mexico

Description:
View North of the area of concern during drilling.



Photograph No. 2

Facility: Double ABJ Federal Com 703H (08.26.22)

County: Lea County, New Mexico

Description:
View Northwest, area of confirmation samples (1-30).

Photograph No. 3

Facility: Double ABJ Federal Com 703H (08.26.22)

County: Lea County, New Mexico

Description:
View of the backfilled excavation.

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		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name _____ Title: _____

Signature: __ _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	Nabors X09
Asset Area:	Delawear
Release Discovery Date & Time:	08/26/1530
Release Type:	Other
Provide any known details about the event:	Ruptured Hose

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)		Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	42.0	12.0	4.00	4	10.50%	9.968	1.047
Rectangle B	50.0	12.0	4.00	4	10.50%	11.867	1.246
Rectangle C	15.0	10.0	3.00	3	10.50%	2.003	0.210
Rectangle D	10.0	10.0	3.00	3	10.50%	1.335	0.140
Rectangle E						0.000	0.000
Rectangle F						0.000	0.000
Rectangle G						0.000	0.000
Rectangle H						0.000	0.000
Rectangle I						0.000	0.000
Rectangle J						0.000	0.000
						Total Volume Release:	2.643

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Justin Carlile Date: 11-28-2022

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 11/29/2022

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

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: 11-28-2022

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 11/29/2022

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: Conner Moehring
Sent: Tuesday, November 8, 2022 9:10 AM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona; Carlile, Justin
Subject: COG - Double ABJ 16 Fed Com 703H - Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples for the at-risk remediation at the below-referenced site on 11/10/22 around 9:30 a.m. Mountain Time. Please let me know if you have any questions.

COG – Double ABJ 16 Federal Com 703H
Lea County, New Mexico
32.2108, -103.6744
Incident #: NAPP2225128826

Conner R. Moehring
310 West Wall Street, Suite 415
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

33.96' - Drilled 2010

133' - Drilled 2012

Oilfield Water Logistics McCloy SWD

Double ABJ 16 Federal Com 703H (08.26.22)

Orla Rd

314' - Drilled 2021

289' - Drilled 2013

128

Legend

- 0.50 Mile Radius
- 1.16 Miles
- 1.20 Miles
- 2.06 Miles
- 2.07 Miles
- 2.31 Miles
- 2.63 Miles
- NMSEO Water Well
- USGS Water Well

Google Earth

N

1 mi

Low Karst
COG Operating

Legend
- Double ABJ 16 Federal Com 703H (08.26.22)
- Low

128
128
128
2
Double ABJ 16 Federal Com 703H (08.26.22)

Google Earth
Image Landsat / Copernicus

N

3 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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03528 POD1	C	LE	1	1	2	15	24S	32E	626040	3566129	1913	541	133	408
C 02350	CUB	ED		4	3	10	24S	32E	625826	3566333*	1976	60		
C 04536 POD1	C	LE	1	2	2	33	24S	32E	625019	3561244	3329	500	314	186

Average Depth to Water: **223 feet**

Minimum Depth: **133 feet**

Maximum Depth: **314 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 624926.58 **Northing (Y):** 3564573.18 **Radius:** 4000

***UTM location was derived from PLSS - see Help**

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	?

Groundwater | New Mexico | GO

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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321312103395601

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

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83
Land-surface elevation 3,589.00 feet above NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1950-04-13		D	62610		3555.36	NGVD29	1	Z		
1950-04-13		D	62611		3557.09	NAVD88	1	Z		
1950-04-13		D	72019	33.64			1	Z		
1955-06-03		D	62610		3557.10	NGVD29	P	Z		
1955-06-03		D	62611		3558.83	NAVD88	P	Z		
1955-06-03		D	72019	31.90			P	Z		
1976-01-22		D	62610		3557.20	NGVD29	1	Z		
1976-01-22		D	62611		3558.93	NAVD88	1	Z		
1976-01-22		D	72019	31.80			1	Z		
1981-03-20		D	62610		3569.07	NGVD29	1	Z		
1981-03-20		D	62611		3570.80	NAVD88	1	Z		
1981-03-20		D	72019	19.93			1	Z		
1986-03-18		D	62610		3551.84	NGVD29	1	Z		
1986-03-18		D	62611		3553.57	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code		Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1986-03-18		D	72019	37.16		1	Z	
1991-05-29		D	62610	3549.36	NGVD29	1	Z	
1991-05-29		D	62611	3551.09	NAVD88	1	Z	
1991-05-29		D	72019	39.64		1	Z	
1996-03-14		D	62610	3550.80	NGVD29	1	S	
1996-03-14		D	62611	3552.53	NAVD88	1	S	
1996-03-14		D	72019	38.20		1	S	
2001-02-27		D	62610	3552.42	NGVD29	1	S	
2001-02-27		D	62611	3554.15	NAVD88	1	S	
2001-02-27		D	72019	36.58		1	S	
2006-02-07	16:30 UTC	m	62610	3569.60	NGVD29	1	S	
2006-02-07	16:30 UTC	m	62611	3571.33	NAVD88	1	S	
2006-02-07	16:30 UTC	m	72019	19.40		1	S	
2010-12-16	22:30 UTC	m	62610	3555.04	NGVD29	1	S	
2010-12-16	22:30 UTC	m	62611	3556.77	NAVD88	1	S	
2010-12-16	22:30 UTC	m	72019	33.96		1	S	

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
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-29 22:20:13 EDT
0.27 0.23 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 03528 POD1	1	1	2	15	24S	32E	626040	3566129

Driller License:	1682	**Driller Company:**	HUNGRY HORSE, LLC.		
Driller Name:	NORRIS, JOHN D. (LD)				
Drill Start Date:	02/20/2012	**Drill Finish Date:**	03/12/2012	**Plug Date:**	
Log File Date:	04/30/2012	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.38	**Depth Well:**	541 feet	**Depth Water:**	133 feet

Water Bearing Stratifications:	Top	Bottom	Description
	133	152	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	0	541

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
20E37	C 04536 POD1	1	2	2	33	24S	32E	625019	3561244

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: BRYCE WALLACE

Drill Start Date:	06/09/2021	**Drill Finish Date:**	06/10/2021	**Plug Date:**	
Log File Date:	06/21/2021	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	4 GPM
Casing Size:	4.30	**Depth Well:**	500 feet	**Depth Water:**	314 feet

Water Bearing Stratifications:	Top	Bottom	Description
	235	480	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	300	500

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USGS Water Resources

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321005103402301

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

USGS 321005103402301 24S.32E.33.42241

Lea County, New Mexico
Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
Land-surface elevation 3,499.00 feet above NGVD29
The depth of the well is 367 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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 measu
1959-02-18		D	62610		3185.60	NGVD29	1	Z		
1959-02-18		D	62611		3187.32	NAVD88	1	Z		
1959-02-18		D	72019	313.40			1	Z		
1981-06-12		D	62610		3194.60	NGVD29	1	Z		
1981-06-12		D	62611		3196.32	NAVD88	1	Z		
1981-06-12		D	72019	304.40			1	Z		
1986-03-11		D	62610		3193.79	NGVD29	1	Z		
1986-03-11		D	62611		3195.51	NAVD88	1	Z		
1986-03-11		D	72019	305.21			1	Z		
1991-05-29		D	62610		3211.55	NGVD29	1	Z		
1991-05-29		D	62611		3213.27	NAVD88	1	Z		
1991-05-29		D	72019	287.45			1	Z		
1996-03-14		D	62610		3213.60	NGVD29	1	S		
1996-03-14		D	62611		3215.32	NAVD88	1	S		

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 measu
1996-03-14		D	72019	285.40			1	S		
2001-02-27		D	62610		3210.32	NGVD29	1	S		
2001-02-27		D	62611		3212.04	NAVD88	1	S		
2001-02-27		D	72019	288.68			1	S		
2013-01-17	16:30 UTC	m	62610		3209.31	NGVD29	1	S		
2013-01-17	16:30 UTC	m	62611		3211.03	NAVD88	1	S		
2013-01-17	16:30 UTC	m	72019	289.69			1	S		

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
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels
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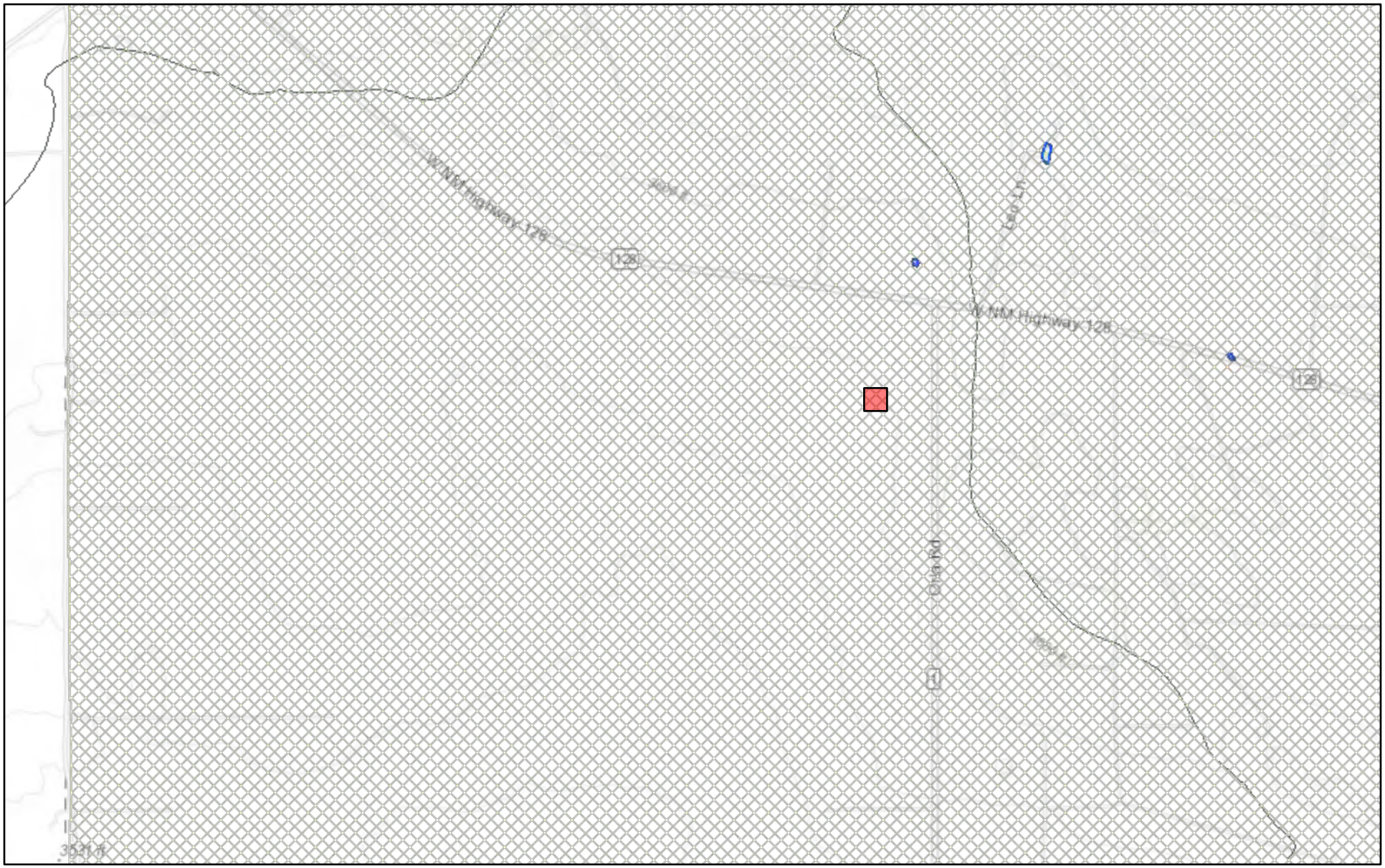
Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-29 22:18:20 EDT
0.28 0.25 nadww01

New Mexico NFHL Data



September 29, 2022

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

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

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APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/17/2022 1:20:16 PM Revision 1

JOB DESCRIPTION

Double ABJ 16 Federal Com 703H (08.26.22) 1138
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-21419-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

my EOL

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 1138

Laboratory Job ID: 880-21419-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.
¤	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: Double ABJ 16 Federal Com 703H (08.26.22) 1138

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Job ID: 880-21419-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-21419-1

REVISION

The report being provided is a revision of the original report sent on 11/11/2022. The report (revision 1) is being revised due to Per client email, corrected sample date to match COC.

Report revision history

Receipt
The samples were received on 11/10/2022 8:36 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 5.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-21419-1), CS-2 (1.5') (880-21419-2), CS-3 (1.5') (880-21419-3), CS-4 (1.5') (880-21419-4), CS-5 (1.5') (880-21419-5), CS-6 (1.5') (880-21419-6), CS-7 (1.5') (880-21419-7), CS-8 (1.5') (880-21419-8), CS-9 (1.5') (880-21419-9), CS-10 (1.5') (880-21419-10), CS-11 (1.5') (880-21419-11), CS-12 (1.5') (880-21419-12), CS-13 (1.5') (880-21419-13), CS-14 (1.5') (880-21419-14), CS-15 (1.5') (880-21419-15), CS-16 (1.5') (880-21419-16), CS-17 (1.5') (880-21419-17), CS-18 (1.5') (880-21419-18), CS-19 (1.5') (880-21419-19), CS-20 (1.5') (880-21419-20), CS-21 (1.5') (880-21419-21), CS-22 (1.5') (880-21419-22), CS-23 (1.5') (880-21419-23), CS-24 (1.5') (880-21419-24), CS-25 (1.5') (880-21419-25), CS-26 (1.5') (880-21419-26), CS-27 (1.5') (880-21419-27), CS-28 (1.5') (880-21419-28), CS-29 (1.5') (880-21419-29), CS-30 (1.5') (880-21419-30), SW-1 (1.5') (880-21419-31), SW-2 (1.5') (880-21419-32), SW-3 (1.5') (880-21419-33), SW-4 (1.5') (880-21419-34) and SW-5 (1.5') (880-21419-35).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39205 and analytical batch 880-39166 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-39178 and analytical batch 880-39164 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-39178/2-A) and (LCSD 880-39178/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-1 (1.5') (880-21419-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-39179 and analytical batch 880-39162 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-21 (1.5') (880-21419-21), (880-21419-A-21-B MS) and (880-21419-A-21-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Case Narrative

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 1138

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Job ID: 880-21419-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/10/22 18:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/10/22 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 09:50*	*11/10/22 18:31*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 09:50*	*11/10/22 18:31*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 11:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 11:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*11/10/22 09:17*	*11/10/22 11:55*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*11/10/22 09:17*	*11/10/22 11:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.7**		5.02		mg/Kg			11/11/22 01:25	1

Client Sample ID: CS-2 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/10/22 18:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/10/22 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 09:50*	*11/10/22 18:52*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 09:50*	*11/10/22 18:52*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-21419-2
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 13:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 09:17	11/10/22 13:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 09:17	11/10/22 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*11/10/22 09:17*	*11/10/22 13:01*	*1*
o-Terphenyl	*89*		*70 - 130*	*11/10/22 09:17*	*11/10/22 13:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.7**		5.05		mg/Kg			11/11/22 02:24	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-21419-3
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/10/22 19:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 19:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 19:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 19:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 19:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 09:50*	*11/10/22 19:12*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 09:50*	*11/10/22 19:12*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 13:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 13:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-21419-3
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:17	11/10/22 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/10/22 09:17*	*11/10/22 13:23*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/10/22 09:17*	*11/10/22 13:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.1**		4.97		mg/Kg			11/11/22 01:40	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-21419-4
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/10/22 19:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 19:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 19:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 19:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 09:50*	*11/10/22 19:33*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/10/22 09:50*	*11/10/22 19:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/10/22 09:17*	*11/10/22 13:45*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/10/22 09:17*	*11/10/22 13:45*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.3**		4.97		mg/Kg			11/11/22 01:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 19:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 19:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 19:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/10/22 19:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 19:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/10/22 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 09:50*	*11/10/22 19:53*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 09:50*	*11/10/22 19:53*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 14:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 14:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/10/22 09:17*	*11/10/22 14:07*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/10/22 09:17*	*11/10/22 14:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.9**		5.01		mg/Kg			11/11/22 01:50	1

Client Sample ID: CS-6 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/10/22 20:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/10/22 20:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/10/22 20:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 09:50	11/10/22 20:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/10/22 20:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 09:50	11/10/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/10/22 09:50*	*11/10/22 20:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 09:50*	*11/10/22 20:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-6
Matrix: Solid

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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 14:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 14:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/10/22 09:17*	*11/10/22 14:28*	*1*
o-Terphenyl	*114*		*70 - 130*	*11/10/22 09:17*	*11/10/22 14:28*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		4.99		mg/Kg			11/11/22 01:54	1

Client Sample ID: CS-7 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 20:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/10/22 09:50*	*11/10/22 20:34*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 09:50*	*11/10/22 20:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 14:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 14:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-21419-7
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 09:17*	*11/10/22 14:50*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/10/22 09:17*	*11/10/22 14:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		5.00		mg/Kg			11/11/22 02:09	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-21419-8
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/10/22 20:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 20:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 20:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/10/22 09:50*	*11/10/22 20:55*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 09:50*	*11/10/22 20:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 15:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 15:12	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/10/22 09:17*	*11/10/22 15:12*	*1*
o-Terphenyl	*116*		*70 - 130*	*11/10/22 09:17*	*11/10/22 15:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.9**		4.96		mg/Kg			11/11/22 02:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/10/22 21:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/10/22 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 09:50*	*11/10/22 21:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 09:50*	*11/10/22 21:15*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/10/22 09:17*	*11/10/22 15:34*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/10/22 09:17*	*11/10/22 15:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		5.05		mg/Kg			11/11/22 02:19	1

Client Sample ID: CS-10 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/10/22 21:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 21:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/10/22 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/10/22 09:50*	*11/10/22 21:35*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 09:50*	*11/10/22 21:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/10/22 09:17*	*11/10/22 15:56*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/10/22 09:17*	*11/10/22 15:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.0**		5.03		mg/Kg			11/11/22 02:29	1

Client Sample ID: CS-11 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 23:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 23:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 23:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/10/22 23:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 23:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/10/22 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 09:50*	*11/10/22 23:25*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 09:50*	*11/10/22 23:25*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 17:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 17:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-21419-11
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/10/22 09:17*	*11/10/22 17:03*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/10/22 09:17*	*11/10/22 17:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		4.99		mg/Kg			11/11/22 02:34	1

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-21419-12
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/10/22 23:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 23:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 23:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 23:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/10/22 23:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/10/22 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/10/22 09:50*	*11/10/22 23:45*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 09:50*	*11/10/22 23:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 17:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 17:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/10/22 09:17*	*11/10/22 17:25*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/10/22 09:17*	*11/10/22 17:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.3**		4.97		mg/Kg			11/11/22 02:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/11/22 00:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 09:50	11/11/22 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 09:50*	*11/11/22 00:06*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*11/10/22 09:50*	*11/11/22 00:06*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 17:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/10/22 09:17*	*11/10/22 17:47*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/10/22 09:17*	*11/10/22 17:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.8**		5.05		mg/Kg			11/11/22 02:54	1

Client Sample ID: CS-14 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/11/22 00:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/11/22 00:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/11/22 00:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 09:50	11/11/22 00:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 09:50	11/11/22 00:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 09:50	11/11/22 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/10/22 09:50*	*11/11/22 00:26*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/10/22 09:50*	*11/11/22 00:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-14
Matrix: Solid

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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/10/22 09:17*	*11/10/22 18:08*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/10/22 09:17*	*11/10/22 18:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.1**		5.02		mg/Kg			11/11/22 03:09	1

Client Sample ID: CS-15 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/11/22 00:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 00:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/11/22 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/10/22 09:50*	*11/11/22 00:47*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 09:50*	*11/11/22 00:47*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 18:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-21419-15
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/10/22 09:17*	*11/10/22 18:30*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/10/22 09:17*	*11/10/22 18:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.0**		4.97		mg/Kg			11/11/22 03:14	1

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-21419-16
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/11/22 01:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 01:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 09:50*	*11/11/22 01:07*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 09:50*	*11/11/22 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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 18:52	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/10/22 09:17*	*11/10/22 18:52*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/10/22 09:17*	*11/10/22 18:52*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.1**		4.96		mg/Kg			11/11/22 03:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 01:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 01:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*11/10/22 09:50*	*11/11/22 01:27*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/10/22 09:50*	*11/11/22 01:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 19:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 19:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 09:17*	*11/10/22 19:14*	*1*
o-Terphenyl	*99*		*70 - 130*	*11/10/22 09:17*	*11/10/22 19:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.0**		4.98		mg/Kg			11/11/22 03:24	1

Client Sample ID: CS-18 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 01:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 01:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 01:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/11/22 01:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/11/22 01:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 09:50	11/11/22 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 09:50*	*11/11/22 01:48*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 09:50*	*11/11/22 01:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-21419-18
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:17	11/10/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*11/10/22 09:17*	*11/10/22 19:35*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/10/22 09:17*	*11/10/22 19:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.6**		4.99		mg/Kg			11/11/22 03:28	1

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-21419-19
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/11/22 02:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 02:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 02:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 02:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 02:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/10/22 09:50*	*11/11/22 02:08*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 09:50*	*11/11/22 02:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 19:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 19:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-19 (1.5')

Lab Sample ID: 880-21419-19
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:17	11/10/22 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*11/10/22 09:17*	*11/10/22 19:57*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/10/22 09:17*	*11/10/22 19:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**128**		4.95		mg/Kg			11/11/22 03:33	1

Client Sample ID: CS-20 (1.5')

Lab Sample ID: 880-21419-20
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:50	11/11/22 02:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 02:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 02:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 02:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 09:50	11/11/22 02:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 09:50	11/11/22 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/10/22 09:50*	*11/11/22 02:29*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 09:50*	*11/11/22 02:29*	*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			11/11/22 08:46	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			11/11/22 09:31	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		11/10/22 09:17	11/10/22 20:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 09:17	11/10/22 20:19	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 09:17	11/10/22 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*11/10/22 09:17*	*11/10/22 20:19*	*1*
o-Terphenyl	*119*		*70 - 130*	*11/10/22 09:17*	*11/10/22 20:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.2**		4.98		mg/Kg			11/11/22 03:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:42	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:42	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:42	1
m-Xylene & p-Xylene	<0.00400	U F1	0.00400		mg/Kg		11/10/22 10:00	11/10/22 21:42	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:42	1
Xylenes, Total	<0.00400	U F1	0.00400		mg/Kg		11/10/22 10:00	11/10/22 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/10/22 10:00*	*11/10/22 21:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 10:00*	*11/10/22 21:42*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 11:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 11:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*11/10/22 09:19*	*11/10/22 11:55*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*11/10/22 09:19*	*11/10/22 11:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.3**		5.05		mg/Kg			11/11/22 04:18	1

Client Sample ID: CS-22 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 10:00	11/10/22 22:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 10:00	11/10/22 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 10:00*	*11/10/22 22:02*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/10/22 10:00*	*11/10/22 22:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-22 (1.5')

Lab Sample ID: 880-21419-22
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 09:19	11/10/22 13:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 09:19	11/10/22 13:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 09:19	11/10/22 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*11/10/22 09:19*	*11/10/22 13:01*	*1*
o-Terphenyl	*78*		*70 - 130*	*11/10/22 09:19*	*11/10/22 13:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.5**		4.96		mg/Kg			11/11/22 04:33	1

Client Sample ID: CS-23 (1.5')

Lab Sample ID: 880-21419-23
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 10:00	11/10/22 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/10/22 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 22:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/10/22 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 10:00*	*11/10/22 22:23*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 10:00*	*11/10/22 22:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 13:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 13:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-23 (1.5')

Lab Sample ID: 880-21419-23
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 09:19	11/10/22 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*11/10/22 09:19*	*11/10/22 13:23*	*1*
o-Terphenyl	*85*		*70 - 130*	*11/10/22 09:19*	*11/10/22 13:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.9**		4.99		mg/Kg			11/11/22 04:38	1

Client Sample ID: CS-24 (1.5')

Lab Sample ID: 880-21419-24
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 10:00	11/10/22 22:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 22:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 22:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/10/22 22:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 22:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/10/22 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 10:00*	*11/10/22 22:43*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 10:00*	*11/10/22 22:43*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*11/10/22 09:19*	*11/10/22 13:45*	*1*
o-Terphenyl	*81*		*70 - 130*	*11/10/22 09:19*	*11/10/22 13:45*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		5.01		mg/Kg			11/11/22 04:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-25 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-25
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 23:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 23:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 23:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/10/22 23:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 23:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/10/22 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/10/22 10:00*	*11/10/22 23:03*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 10:00*	*11/10/22 23:03*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*11/10/22 09:19*	*11/10/22 14:07*	*1*
o-Terphenyl	*75*		*70 - 130*	*11/10/22 09:19*	*11/10/22 14:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.5**		5.04		mg/Kg			11/11/22 04:48	1

Client Sample ID: CS-26 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/10/22 23:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/10/22 23:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/10/22 23:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 10:00	11/10/22 23:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/10/22 23:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 10:00	11/10/22 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 10:00*	*11/10/22 23:24*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/10/22 10:00*	*11/10/22 23:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-26 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*11/10/22 09:19*	*11/10/22 14:28*	*1*
o-Terphenyl	*77*		*70 - 130*	*11/10/22 09:19*	*11/10/22 14:28*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.8**		4.96		mg/Kg			11/11/22 05:03	1

Client Sample ID: CS-27 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 23:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 23:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 23:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/10/22 23:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/10/22 23:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/10/22 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 10:00*	*11/10/22 23:44*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/10/22 10:00*	*11/10/22 23:44*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-27 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*11/10/22 09:19*	*11/10/22 14:50*	*1*
o-Terphenyl	*76*		*70 - 130*	*11/10/22 09:19*	*11/10/22 14:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.1**		4.96		mg/Kg			11/11/22 05:07	1

Client Sample ID: CS-28 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 00:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 10:00*	*11/11/22 00:05*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 10:00*	*11/11/22 00:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:12	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/10/22 09:19*	*11/10/22 15:12*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/10/22 09:19*	*11/10/22 15:12*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.8**		5.00		mg/Kg			11/11/22 05:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-29 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 00:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/11/22 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 00:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/11/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/10/22 10:00*	*11/11/22 00:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 10:00*	*11/11/22 00:25*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*11/10/22 09:19*	*11/10/22 15:34*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/10/22 09:19*	*11/10/22 15:34*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.4**		4.97		mg/Kg			11/11/22 05:17	1

Client Sample ID: CS-30 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 00:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 00:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/10/22 10:00*	*11/11/22 00:46*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/10/22 10:00*	*11/11/22 00:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-30 (1.5')

Lab Sample ID: 880-21419-30
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*11/10/22 09:19*	*11/10/22 15:56*	*1*
o-Terphenyl	*76*		*70 - 130*	*11/10/22 09:19*	*11/10/22 15:56*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.8**		5.03		mg/Kg			11/11/22 05:22	1

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-21419-31
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 10:00	11/11/22 02:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 02:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 02:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 02:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 02:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/10/22 10:00*	*11/11/22 02:08*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/10/22 10:00*	*11/11/22 02:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 17:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-21419-31
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/10/22 09:19*	*11/10/22 17:03*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/10/22 09:19*	*11/10/22 17:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.5**		5.01		mg/Kg			11/11/22 05:27	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-21419-32
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 10:00	11/11/22 02:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 02:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 02:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 10:00	11/11/22 02:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 02:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 10:00	11/11/22 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*11/10/22 10:00*	*11/11/22 02:29*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/10/22 10:00*	*11/11/22 02:29*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 17:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 17:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/10/22 09:19*	*11/10/22 17:25*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/10/22 09:19*	*11/10/22 17:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.4**		4.99		mg/Kg			11/11/22 05:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-21419-33
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 10:00	11/11/22 02:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/11/22 02:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/11/22 02:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 10:00	11/11/22 02:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 10:00	11/11/22 02:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 10:00	11/11/22 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*11/10/22 10:00*	*11/11/22 02:49*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/10/22 10:00*	*11/11/22 02:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 17:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*11/10/22 09:19*	*11/10/22 17:47*	*1*
o-Terphenyl	*74*		*70 - 130*	*11/10/22 09:19*	*11/10/22 17:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.7**		4.95		mg/Kg			11/11/22 05:47	1

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-21419-34
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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		11/10/22 10:00	11/11/22 03:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 03:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 03:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/11/22 03:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/11/22 03:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 10:00	11/11/22 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/10/22 10:00*	*11/11/22 03:10*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*11/10/22 10:00*	*11/11/22 03:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-34
Matrix: Solid

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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 09:19	11/10/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*11/10/22 09:19*	*11/10/22 18:08*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/10/22 09:19*	*11/10/22 18:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		5.03		mg/Kg			11/11/22 06:02	1

Client Sample ID: SW-5 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-35
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 03:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 03:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 03:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 03:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 10:00	11/11/22 03:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 10:00	11/11/22 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/10/22 10:00*	*11/11/22 03:30*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/10/22 10:00*	*11/11/22 03:30*	*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			11/11/22 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/11/22 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 18:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-35

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 09:19	11/10/22 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/10/22 09:19*	*11/10/22 18:30*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/10/22 09:19*	*11/10/22 18:30*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.9**		5.02		mg/Kg			11/11/22 06:07	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
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 (70-130)	DFBZ1 (70-130)
880-21419-1	CS-1 (1.5')	101	93
880-21419-1 MS	CS-1 (1.5')	116	104
880-21419-1 MSD	CS-1 (1.5')	105	96
880-21419-2	CS-2 (1.5')	109	97
880-21419-3	CS-3 (1.5')	105	102
880-21419-4	CS-4 (1.5')	103	92
880-21419-5	CS-5 (1.5')	93	97
880-21419-6	CS-6 (1.5')	116	105
880-21419-7	CS-7 (1.5')	117	102
880-21419-8	CS-8 (1.5')	109	104
880-21419-9	CS-9 (1.5')	98	99
880-21419-10	CS-10 (1.5')	112	102
880-21419-11	CS-11 (1.5')	101	98
880-21419-12	CS-12 (1.5')	121	95
880-21419-13	CS-13 (1.5')	99	96
880-21419-14	CS-14 (1.5')	116	91
880-21419-15	CS-15 (1.5')	112	98
880-21419-16	CS-16 (1.5')	98	95
880-21419-17	CS-17 (1.5')	127	102
880-21419-18	CS-18 (1.5')	100	94
880-21419-19	CS-19 (1.5')	108	97
880-21419-20	CS-20 (1.5')	94	95
880-21419-21	CS-21 (1.5')	92	103
880-21419-21 MS	CS-21 (1.5')	97	119
880-21419-21 MSD	CS-21 (1.5')	99	114
880-21419-22	CS-22 (1.5')	99	104
880-21419-23	CS-23 (1.5')	95	98
880-21419-24	CS-24 (1.5')	97	105
880-21419-25	CS-25 (1.5')	98	100
880-21419-26	CS-26 (1.5')	93	100
880-21419-27	CS-27 (1.5')	97	103
880-21419-28	CS-28 (1.5')	101	105
880-21419-29	CS-29 (1.5')	96	89
880-21419-30	CS-30 (1.5')	87	89
880-21419-31	SW-1 (1.5')	93	106
880-21419-32	SW-2 (1.5')	97	99
880-21419-33	SW-3 (1.5')	79	91
880-21419-34	SW-4 (1.5')	95	78
880-21419-35	SW-5 (1.5')	105	110
LCS 880-39203/1-A	Lab Control Sample	108	97
LCS 880-39205/1-A	Lab Control Sample	96	118
LCSD 880-39203/2-A	Lab Control Sample Dup	109	101
LCSD 880-39205/2-A	Lab Control Sample Dup	93	120
MB 880-39125/5-A	Method Blank	78	102
MB 880-39203/5-A	Method Blank	91	101
MB 880-39205/5-A	Method Blank	73	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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)
880-21419-1	CS-1 (1.5')	137 S1+	135 S1+
880-21419-1 MS	CS-1 (1.5')	83	85
880-21419-1 MSD	CS-1 (1.5')	99	95
880-21419-2	CS-2 (1.5')	84	89
880-21419-3	CS-3 (1.5')	110	110
880-21419-4	CS-4 (1.5')	93	102
880-21419-5	CS-5 (1.5')	105	110
880-21419-6	CS-6 (1.5')	108	114
880-21419-7	CS-7 (1.5')	90	97
880-21419-8	CS-8 (1.5')	113	116
880-21419-9	CS-9 (1.5')	101	108
880-21419-10	CS-10 (1.5')	100	103
880-21419-11	CS-11 (1.5')	104	108
880-21419-12	CS-12 (1.5')	103	106
880-21419-13	CS-13 (1.5')	109	105
880-21419-14	CS-14 (1.5')	100	105
880-21419-15	CS-15 (1.5')	96	102
880-21419-16	CS-16 (1.5')	98	100
880-21419-17	CS-17 (1.5')	94	99
880-21419-18	CS-18 (1.5')	99	105
880-21419-19	CS-19 (1.5')	128	129
880-21419-20	CS-20 (1.5')	117	119
880-21419-21	CS-21 (1.5')	65 S1-	68 S1-
880-21419-21 MS	CS-21 (1.5')	66 S1-	63 S1-
880-21419-21 MSD	CS-21 (1.5')	61 S1-	58 S1-
880-21419-22	CS-22 (1.5')	72	78
880-21419-23	CS-23 (1.5')	80	85
880-21419-24	CS-24 (1.5')	76	81
880-21419-25	CS-25 (1.5')	71	75
880-21419-26	CS-26 (1.5')	73	77
880-21419-27	CS-27 (1.5')	77	76
880-21419-28	CS-28 (1.5')	94	102
880-21419-29	CS-29 (1.5')	88	92
880-21419-30	CS-30 (1.5')	70	76
880-21419-31	SW-1 (1.5')	90	101
880-21419-32	SW-2 (1.5')	93	98
880-21419-33	SW-3 (1.5')	70	74
880-21419-34	SW-4 (1.5')	83	84
880-21419-35	SW-5 (1.5')	89	94
LCS 880-39178/2-A	Lab Control Sample	124	132 S1+
LCS 880-39179/2-A	Lab Control Sample	107	121
LCSD 880-39178/3-A	Lab Control Sample Dup	117	132 S1+
LCSD 880-39179/3-A	Lab Control Sample Dup	97	110
MB 880-39178/1-A	Method Blank	127	143 S1+
MB 880-39179/1-A	Method Blank	114	132 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39125/5-A
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:02	11/10/22 10:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:02	11/10/22 10:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:02	11/10/22 10:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/22 15:02	11/10/22 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:02	11/10/22 10:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/22 15:02	11/10/22 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*11/09/22 15:02*	*11/10/22 10:45*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/09/22 15:02*	*11/10/22 10:45*	*1*

Lab Sample ID: MB 880-39203/5-A
Matrix: Solid
Analysis Batch: 39243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 09:50	11/10/22 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 09:50	11/10/22 18:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 09:50	11/10/22 18:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/10/22 09:50*	*11/10/22 18:03*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/10/22 09:50*	*11/10/22 18:03*	*1*

Lab Sample ID: LCS 880-39203/1-A
Matrix: Solid
Analysis Batch: 39243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09506		mg/Kg		95	70 - 130
Toluene	0.100	0.1014		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09885		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1721		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08609		mg/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-39203/2-A
Matrix: Solid
Analysis Batch: 39243

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09730		mg/Kg		97	70 - 130	2	35

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-39203/2-A
Matrix: Solid
Analysis Batch: 39243

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39203

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1048		mg/Kg		105	70 - 130	3	35
Ethylbenzene			0.100	0.1027		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1791		mg/Kg		90	70 - 130	4	35
o-Xylene			0.100	0.08885		mg/Kg		89	70 - 130	3	35

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

Lab Sample ID: 880-21419-1 MS
Matrix: Solid
Analysis Batch: 39243

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 39203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.09744		mg/Kg		98	70 - 130		
Toluene	<0.00200	U	0.0998	0.1053		mg/Kg		106	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.1016		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1780		mg/Kg		89	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.08855		mg/Kg		88	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-21419-1 MSD
Matrix: Solid
Analysis Batch: 39243

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 39203

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	0.08234		mg/Kg		83	70 - 130	17	35
Toluene	<0.00200	U	0.0990	0.08779		mg/Kg		89	70 - 130	18	35
Ethylbenzene	<0.00200	U	0.0990	0.08438		mg/Kg		85	70 - 130	18	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1466		mg/Kg		74	70 - 130	19	35
o-Xylene	<0.00200	U	0.0990	0.07245		mg/Kg		73	70 - 130	20	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-39205/5-A
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 10:00	11/10/22 21:20	1

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-39205/5-A
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 10:00	11/10/22 21:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 10:00	11/10/22 21:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*11/10/22 10:00*	*11/10/22 21:20*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/10/22 10:00*	*11/10/22 21:20*	*1*

Lab Sample ID: LCS 880-39205/1-A
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1096		mg/Kg		110	70 - 130
Toluene	0.100	0.09141		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09111		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1862		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09305		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: LCSD 880-39205/2-A
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	2	35
Toluene	0.100	0.09134		mg/Kg		91	70 - 130	0	35
Ethylbenzene	0.100	0.08859		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1796		mg/Kg		90	70 - 130	4	35
o-Xylene	0.100	0.08966		mg/Kg		90	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*

Lab Sample ID: 880-21419-21 MS
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: CS-21 (1.5')
Prep Type: Total/NA
Prep Batch: 39205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1028		mg/Kg		103	70 - 130
Toluene	<0.00200	U F1	0.0998	0.08605		mg/Kg		86	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.08308		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.1668		mg/Kg		84	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.08266		mg/Kg		83	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21419-21 MS
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: CS-21 (1.5')
Prep Type: Total/NA
Prep Batch: 39205

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-21419-21 MSD
Matrix: Solid
Analysis Batch: 39166

Client Sample ID: CS-21 (1.5')
Prep Type: Total/NA
Prep Batch: 39205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07818		mg/Kg		78	70 - 130	27	35
Toluene	<0.00200	U F1	0.0996	0.06805	F1	mg/Kg		68	70 - 130	23	35
Ethylbenzene	<0.00200	U F1	0.0996	0.06788	F1	mg/Kg		68	70 - 130	20	35
m-Xylene & p-Xylene	<0.00400	U F1	0.199	0.1364	F1	mg/Kg		68	70 - 130	20	35
o-Xylene	<0.00200	U F1	0.0996	0.06777	F1	mg/Kg		68	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

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

Lab Sample ID: MB 880-39178/1-A
Matrix: Solid
Analysis Batch: 39164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39178

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		11/10/22 08:17	11/10/22 08:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 08:17	11/10/22 08:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 08:17	11/10/22 08:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	11/10/22 08:17	11/10/22 08:59	1
o-Terphenyl	143	S1+	70 - 130	11/10/22 08:17	11/10/22 08:59	1

Lab Sample ID: LCS 880-39178/2-A
Matrix: Solid
Analysis Batch: 39164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1176		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	132	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-39178/3-A
Matrix: Solid
Analysis Batch: 39164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39178

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	884.6		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1161		mg/Kg		116	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: 880-21419-1 MS
Matrix: Solid
Analysis Batch: 39164

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 39178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	839.7		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1091		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: 880-21419-1 MSD
Matrix: Solid
Analysis Batch: 39164

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 39178

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	941.7		mg/Kg		94	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1248		mg/Kg		125	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: MB 880-39179/1-A
Matrix: Solid
Analysis Batch: 39162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39179

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		11/10/22 08:19	11/10/22 08:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 08:19	11/10/22 08:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 08:19	11/10/22 08:59	1

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-39179/1-A
Matrix: Solid
Analysis Batch: 39162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39179

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	11/10/22 08:19	11/10/22 08:59	1
o-Terphenyl	132	S1+	70 - 130	11/10/22 08:19	11/10/22 08:59	1

Lab Sample ID: LCS 880-39179/2-A
Matrix: Solid
Analysis Batch: 39162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39179

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1061		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1072		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-39179/3-A
Matrix: Solid
Analysis Batch: 39162

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39179

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1064		mg/Kg		106	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	970.6		mg/Kg		97	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 880-21419-21 MS
Matrix: Solid
Analysis Batch: 39162

Client Sample ID: CS-21 (1.5')
Prep Type: Total/NA
Prep Batch: 39179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	957.8		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	747.8		mg/Kg		73	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	63	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21419-21 MSD
Matrix: Solid
Analysis Batch: 39162

Client Sample ID: CS-21 (1.5')
Prep Type: Total/NA
Prep Batch: 39179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1026		mg/Kg		100	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	718.8		mg/Kg		70	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*61*	*S1-*	*70 - 130*
o-Terphenyl	*58*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39226/1-A
Matrix: Solid
Analysis Batch: 39266

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			11/11/22 01:10	1

Lab Sample ID: LCS 880-39226/2-A
Matrix: Solid
Analysis Batch: 39266

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.0		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-39226/3-A
Matrix: Solid
Analysis Batch: 39266

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	269.8		mg/Kg		108	90 - 110	3	20

Lab Sample ID: 880-21419-1 MS
Matrix: Solid
Analysis Batch: 39266

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	49.7		251	301.9		mg/Kg		100	90 - 110

Lab Sample ID: 880-21419-1 MSD
Matrix: Solid
Analysis Batch: 39266

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	49.7		251	293.2		mg/Kg		97	90 - 110	3	20

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21419-11 MS — **Client Sample ID: CS-11 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	142		250	368.2		mg/Kg		91	90 - 110

Lab Sample ID: 880-21419-11 MSD — **Client Sample ID: CS-11 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	142		250	374.2		mg/Kg		93	90 - 110	2	20

Lab Sample ID: MB 880-39227/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/11/22 04:03	1

Lab Sample ID: LCS 880-39227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.4		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-39227/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39267

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	268.0		mg/Kg		107	90 - 110	3	20

Lab Sample ID: 880-21419-21 MS — **Client Sample ID: CS-21 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14.3		253	270.4		mg/Kg		101	90 - 110

Lab Sample ID: 880-21419-21 MSD — **Client Sample ID: CS-21 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.3		253	274.7		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-21419-31 MS — **Client Sample ID: SW-1 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 39267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	47.5		251	307.1		mg/Kg		104	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-21419-31 MSD
Matrix: Solid
Analysis Batch: 39267

Client Sample ID: SW-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	47.5		251	310.3		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 39125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39125/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 39166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-21	CS-21 (1.5')	Total/NA	Solid	8021B	39205
880-21419-22	CS-22 (1.5')	Total/NA	Solid	8021B	39205
880-21419-23	CS-23 (1.5')	Total/NA	Solid	8021B	39205
880-21419-24	CS-24 (1.5')	Total/NA	Solid	8021B	39205
880-21419-25	CS-25 (1.5')	Total/NA	Solid	8021B	39205
880-21419-26	CS-26 (1.5')	Total/NA	Solid	8021B	39205
880-21419-27	CS-27 (1.5')	Total/NA	Solid	8021B	39205
880-21419-28	CS-28 (1.5')	Total/NA	Solid	8021B	39205
880-21419-29	CS-29 (1.5')	Total/NA	Solid	8021B	39205
880-21419-30	CS-30 (1.5')	Total/NA	Solid	8021B	39205
880-21419-31	SW-1 (1.5')	Total/NA	Solid	8021B	39205
880-21419-32	SW-2 (1.5')	Total/NA	Solid	8021B	39205
880-21419-33	SW-3 (1.5')	Total/NA	Solid	8021B	39205
880-21419-34	SW-4 (1.5')	Total/NA	Solid	8021B	39205
880-21419-35	SW-5 (1.5')	Total/NA	Solid	8021B	39205
MB 880-39125/5-A	Method Blank	Total/NA	Solid	8021B	39125
MB 880-39205/5-A	Method Blank	Total/NA	Solid	8021B	39205
LCS 880-39205/1-A	Lab Control Sample	Total/NA	Solid	8021B	39205
LCSD 880-39205/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39205
880-21419-21 MS	CS-21 (1.5')	Total/NA	Solid	8021B	39205
880-21419-21 MSD	CS-21 (1.5')	Total/NA	Solid	8021B	39205

Prep Batch: 39203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-21419-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-21419-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-21419-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-21419-5	CS-5 (1.5')	Total/NA	Solid	5035	
880-21419-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-21419-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-21419-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-21419-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-21419-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-21419-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-21419-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-21419-13	CS-13 (1.5')	Total/NA	Solid	5035	
880-21419-14	CS-14 (1.5')	Total/NA	Solid	5035	
880-21419-15	CS-15 (1.5')	Total/NA	Solid	5035	
880-21419-16	CS-16 (1.5')	Total/NA	Solid	5035	
880-21419-17	CS-17 (1.5')	Total/NA	Solid	5035	
880-21419-18	CS-18 (1.5')	Total/NA	Solid	5035	
880-21419-19	CS-19 (1.5')	Total/NA	Solid	5035	
880-21419-20	CS-20 (1.5')	Total/NA	Solid	5035	
MB 880-39203/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39203/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39203/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 39203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-21419-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Prep Batch: 39205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-21	CS-21 (1.5')	Total/NA	Solid	5035	
880-21419-22	CS-22 (1.5')	Total/NA	Solid	5035	
880-21419-23	CS-23 (1.5')	Total/NA	Solid	5035	
880-21419-24	CS-24 (1.5')	Total/NA	Solid	5035	
880-21419-25	CS-25 (1.5')	Total/NA	Solid	5035	
880-21419-26	CS-26 (1.5')	Total/NA	Solid	5035	
880-21419-27	CS-27 (1.5')	Total/NA	Solid	5035	
880-21419-28	CS-28 (1.5')	Total/NA	Solid	5035	
880-21419-29	CS-29 (1.5')	Total/NA	Solid	5035	
880-21419-30	CS-30 (1.5')	Total/NA	Solid	5035	
880-21419-31	SW-1 (1.5')	Total/NA	Solid	5035	
880-21419-32	SW-2 (1.5')	Total/NA	Solid	5035	
880-21419-33	SW-3 (1.5')	Total/NA	Solid	5035	
880-21419-34	SW-4 (1.5')	Total/NA	Solid	5035	
880-21419-35	SW-5 (1.5')	Total/NA	Solid	5035	
MB 880-39205/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39205/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39205/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21419-21 MS	CS-21 (1.5')	Total/NA	Solid	5035	
880-21419-21 MSD	CS-21 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 39243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Total/NA	Solid	8021B	39203
880-21419-2	CS-2 (1.5')	Total/NA	Solid	8021B	39203
880-21419-3	CS-3 (1.5')	Total/NA	Solid	8021B	39203
880-21419-4	CS-4 (1.5')	Total/NA	Solid	8021B	39203
880-21419-5	CS-5 (1.5')	Total/NA	Solid	8021B	39203
880-21419-6	CS-6 (1.5')	Total/NA	Solid	8021B	39203
880-21419-7	CS-7 (1.5')	Total/NA	Solid	8021B	39203
880-21419-8	CS-8 (1.5')	Total/NA	Solid	8021B	39203
880-21419-9	CS-9 (1.5')	Total/NA	Solid	8021B	39203
880-21419-10	CS-10 (1.5')	Total/NA	Solid	8021B	39203
880-21419-11	CS-11 (1.5')	Total/NA	Solid	8021B	39203
880-21419-12	CS-12 (1.5')	Total/NA	Solid	8021B	39203
880-21419-13	CS-13 (1.5')	Total/NA	Solid	8021B	39203
880-21419-14	CS-14 (1.5')	Total/NA	Solid	8021B	39203
880-21419-15	CS-15 (1.5')	Total/NA	Solid	8021B	39203
880-21419-16	CS-16 (1.5')	Total/NA	Solid	8021B	39203
880-21419-17	CS-17 (1.5')	Total/NA	Solid	8021B	39203
880-21419-18	CS-18 (1.5')	Total/NA	Solid	8021B	39203
880-21419-19	CS-19 (1.5')	Total/NA	Solid	8021B	39203
880-21419-20	CS-20 (1.5')	Total/NA	Solid	8021B	39203
MB 880-39203/5-A	Method Blank	Total/NA	Solid	8021B	39203
LCS 880-39203/1-A	Lab Control Sample	Total/NA	Solid	8021B	39203
LCSD 880-39203/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39203

QC Association Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 39243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	39203
880-21419-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	39203

Analysis Batch: 39284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-5	CS-5 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-13	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-14	CS-14 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-15	CS-15 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-16	CS-16 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-17	CS-17 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-18	CS-18 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-19	CS-19 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-20	CS-20 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-21	CS-21 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-22	CS-22 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-23	CS-23 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-24	CS-24 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-25	CS-25 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-26	CS-26 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-27	CS-27 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-28	CS-28 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-29	CS-29 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-30	CS-30 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-31	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-32	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-33	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-34	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-21419-35	SW-5 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 39162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-21	CS-21 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-22	CS-22 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-23	CS-23 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-24	CS-24 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-25	CS-25 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-26	CS-26 (1.5')	Total/NA	Solid	8015B NM	39179

QC Association Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 39162 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-27	CS-27 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-28	CS-28 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-29	CS-29 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-30	CS-30 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-31	SW-1 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-32	SW-2 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-33	SW-3 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-34	SW-4 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-35	SW-5 (1.5')	Total/NA	Solid	8015B NM	39179
MB 880-39179/1-A	Method Blank	Total/NA	Solid	8015B NM	39179
LCS 880-39179/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39179
LCSD 880-39179/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39179
880-21419-21 MS	CS-21 (1.5')	Total/NA	Solid	8015B NM	39179
880-21419-21 MSD	CS-21 (1.5')	Total/NA	Solid	8015B NM	39179

Analysis Batch: 39164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-5	CS-5 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-13	CS-13 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-14	CS-14 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-15	CS-15 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-16	CS-16 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-17	CS-17 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-18	CS-18 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-19	CS-19 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-20	CS-20 (1.5')	Total/NA	Solid	8015B NM	39178
MB 880-39178/1-A	Method Blank	Total/NA	Solid	8015B NM	39178
LCS 880-39178/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39178
LCSD 880-39178/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39178
880-21419-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	39178
880-21419-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	39178

Prep Batch: 39178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-5	CS-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	

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Client: Carmona Resources
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Job ID: 880-21419-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 39178 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-13	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-14	CS-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-15	CS-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-16	CS-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-17	CS-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-18	CS-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-19	CS-19 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-20	CS-20 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-39178/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39178/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39178/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21419-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 39179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-21	CS-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-22	CS-22 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-23	CS-23 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-24	CS-24 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-25	CS-25 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-26	CS-26 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-27	CS-27 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-28	CS-28 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-29	CS-29 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-30	CS-30 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-31	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-32	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-33	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-34	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-35	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-39179/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39179/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39179/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21419-21 MS	CS-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-21419-21 MSD	CS-21 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-21419-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-21419-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-21419-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-21419-5	CS-5 (1.5')	Total/NA	Solid	8015 NM	
880-21419-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	

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Client: Carmona Resources
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Job ID: 880-21419-1
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GC Semi VOA (Continued)

Analysis Batch: 39296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-21419-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	
880-21419-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-21419-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-21419-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-21419-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-21419-13	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-21419-14	CS-14 (1.5')	Total/NA	Solid	8015 NM	
880-21419-15	CS-15 (1.5')	Total/NA	Solid	8015 NM	
880-21419-16	CS-16 (1.5')	Total/NA	Solid	8015 NM	
880-21419-17	CS-17 (1.5')	Total/NA	Solid	8015 NM	
880-21419-18	CS-18 (1.5')	Total/NA	Solid	8015 NM	
880-21419-19	CS-19 (1.5')	Total/NA	Solid	8015 NM	
880-21419-20	CS-20 (1.5')	Total/NA	Solid	8015 NM	
880-21419-21	CS-21 (1.5')	Total/NA	Solid	8015 NM	
880-21419-22	CS-22 (1.5')	Total/NA	Solid	8015 NM	
880-21419-23	CS-23 (1.5')	Total/NA	Solid	8015 NM	
880-21419-24	CS-24 (1.5')	Total/NA	Solid	8015 NM	
880-21419-25	CS-25 (1.5')	Total/NA	Solid	8015 NM	
880-21419-26	CS-26 (1.5')	Total/NA	Solid	8015 NM	
880-21419-27	CS-27 (1.5')	Total/NA	Solid	8015 NM	
880-21419-28	CS-28 (1.5')	Total/NA	Solid	8015 NM	
880-21419-29	CS-29 (1.5')	Total/NA	Solid	8015 NM	
880-21419-30	CS-30 (1.5')	Total/NA	Solid	8015 NM	
880-21419-31	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-21419-32	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-21419-33	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-21419-34	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-21419-35	SW-5 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 39226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-21419-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-21419-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-21419-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-21419-5	CS-5 (1.5')	Soluble	Solid	DI Leach	
880-21419-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-21419-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-21419-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-21419-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-21419-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-21419-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-21419-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-21419-13	CS-13 (1.5')	Soluble	Solid	DI Leach	
880-21419-14	CS-14 (1.5')	Soluble	Solid	DI Leach	
880-21419-15	CS-15 (1.5')	Soluble	Solid	DI Leach	
880-21419-16	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-21419-17	CS-17 (1.5')	Soluble	Solid	DI Leach	

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Job ID: 880-21419-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 39226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-18	CS-18 (1.5')	Soluble	Solid	DI Leach	
880-21419-19	CS-19 (1.5')	Soluble	Solid	DI Leach	
880-21419-20	CS-20 (1.5')	Soluble	Solid	DI Leach	
MB 880-39226/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39226/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39226/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21419-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-21419-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-21419-11 MS	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-21419-11 MSD	CS-11 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 39227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-21	CS-21 (1.5')	Soluble	Solid	DI Leach	
880-21419-22	CS-22 (1.5')	Soluble	Solid	DI Leach	
880-21419-23	CS-23 (1.5')	Soluble	Solid	DI Leach	
880-21419-24	CS-24 (1.5')	Soluble	Solid	DI Leach	
880-21419-25	CS-25 (1.5')	Soluble	Solid	DI Leach	
880-21419-26	CS-26 (1.5')	Soluble	Solid	DI Leach	
880-21419-27	CS-27 (1.5')	Soluble	Solid	DI Leach	
880-21419-28	CS-28 (1.5')	Soluble	Solid	DI Leach	
880-21419-29	CS-29 (1.5')	Soluble	Solid	DI Leach	
880-21419-30	CS-30 (1.5')	Soluble	Solid	DI Leach	
880-21419-31	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-21419-32	SW-2 (1.5')	Soluble	Solid	DI Leach	
880-21419-33	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-21419-34	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-21419-35	SW-5 (1.5')	Soluble	Solid	DI Leach	
MB 880-39227/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39227/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39227/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21419-21 MS	CS-21 (1.5')	Soluble	Solid	DI Leach	
880-21419-21 MSD	CS-21 (1.5')	Soluble	Solid	DI Leach	
880-21419-31 MS	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-21419-31 MSD	SW-1 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 39266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-1	CS-1 (1.5')	Soluble	Solid	300.0	39226
880-21419-2	CS-2 (1.5')	Soluble	Solid	300.0	39226
880-21419-3	CS-3 (1.5')	Soluble	Solid	300.0	39226
880-21419-4	CS-4 (1.5')	Soluble	Solid	300.0	39226
880-21419-5	CS-5 (1.5')	Soluble	Solid	300.0	39226
880-21419-6	CS-6 (1.5')	Soluble	Solid	300.0	39226
880-21419-7	CS-7 (1.5')	Soluble	Solid	300.0	39226
880-21419-8	CS-8 (1.5')	Soluble	Solid	300.0	39226
880-21419-9	CS-9 (1.5')	Soluble	Solid	300.0	39226
880-21419-10	CS-10 (1.5')	Soluble	Solid	300.0	39226
880-21419-11	CS-11 (1.5')	Soluble	Solid	300.0	39226
880-21419-12	CS-12 (1.5')	Soluble	Solid	300.0	39226
880-21419-13	CS-13 (1.5')	Soluble	Solid	300.0	39226

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Client: Carmona Resources
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Job ID: 880-21419-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 39266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-14	CS-14 (1.5')	Soluble	Solid	300.0	39226
880-21419-15	CS-15 (1.5')	Soluble	Solid	300.0	39226
880-21419-16	CS-16 (1.5')	Soluble	Solid	300.0	39226
880-21419-17	CS-17 (1.5')	Soluble	Solid	300.0	39226
880-21419-18	CS-18 (1.5')	Soluble	Solid	300.0	39226
880-21419-19	CS-19 (1.5')	Soluble	Solid	300.0	39226
880-21419-20	CS-20 (1.5')	Soluble	Solid	300.0	39226
MB 880-39226/1-A	Method Blank	Soluble	Solid	300.0	39226
LCS 880-39226/2-A	Lab Control Sample	Soluble	Solid	300.0	39226
LCSD 880-39226/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39226
880-21419-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	39226
880-21419-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	39226
880-21419-11 MS	CS-11 (1.5')	Soluble	Solid	300.0	39226
880-21419-11 MSD	CS-11 (1.5')	Soluble	Solid	300.0	39226

Analysis Batch: 39267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21419-21	CS-21 (1.5')	Soluble	Solid	300.0	39227
880-21419-22	CS-22 (1.5')	Soluble	Solid	300.0	39227
880-21419-23	CS-23 (1.5')	Soluble	Solid	300.0	39227
880-21419-24	CS-24 (1.5')	Soluble	Solid	300.0	39227
880-21419-25	CS-25 (1.5')	Soluble	Solid	300.0	39227
880-21419-26	CS-26 (1.5')	Soluble	Solid	300.0	39227
880-21419-27	CS-27 (1.5')	Soluble	Solid	300.0	39227
880-21419-28	CS-28 (1.5')	Soluble	Solid	300.0	39227
880-21419-29	CS-29 (1.5')	Soluble	Solid	300.0	39227
880-21419-30	CS-30 (1.5')	Soluble	Solid	300.0	39227
880-21419-31	SW-1 (1.5')	Soluble	Solid	300.0	39227
880-21419-32	SW-2 (1.5')	Soluble	Solid	300.0	39227
880-21419-33	SW-3 (1.5')	Soluble	Solid	300.0	39227
880-21419-34	SW-4 (1.5')	Soluble	Solid	300.0	39227
880-21419-35	SW-5 (1.5')	Soluble	Solid	300.0	39227
MB 880-39227/1-A	Method Blank	Soluble	Solid	300.0	39227
LCS 880-39227/2-A	Lab Control Sample	Soluble	Solid	300.0	39227
LCSD 880-39227/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39227
880-21419-21 MS	CS-21 (1.5')	Soluble	Solid	300.0	39227
880-21419-21 MSD	CS-21 (1.5')	Soluble	Solid	300.0	39227
880-21419-31 MS	SW-1 (1.5')	Soluble	Solid	300.0	39227
880-21419-31 MSD	SW-1 (1.5')	Soluble	Solid	300.0	39227

Lab Chronicle

Client: Carmona Resources
Job ID: 880-21419-1
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1.5')
Lab Sample ID: 880-21419-1
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 11:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 01:25	CH	EET MID

Client Sample ID: CS-2 (1.5')
Lab Sample ID: 880-21419-2
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 13:01	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:24	CH	EET MID

Client Sample ID: CS-3 (1.5')
Lab Sample ID: 880-21419-3
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 13:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 01:40	CH	EET MID

Client Sample ID: CS-4 (1.5')
Lab Sample ID: 880-21419-4
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-4
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			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 13:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 01:45	CH	EET MID

Client Sample ID: CS-5 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-5
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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 19:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 14:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 01:50	CH	EET MID

Client Sample ID: CS-6 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-6
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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 14:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 01:54	CH	EET MID

Client Sample ID: CS-7 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-7
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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 20:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 14:50	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-7
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	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:09	CH	EET MID

Client Sample ID: CS-8 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-8
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			5.03 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 20:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 15:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:14	CH	EET MID

Client Sample ID: CS-9 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-9
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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 21:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 15:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:19	CH	EET MID

Client Sample ID: CS-10 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-10
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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 21:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 15:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:29	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-11
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			5.01 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 17:03	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:34	CH	EET MID

Client Sample ID: CS-12 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-12
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			5.03 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/10/22 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 17:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:49	CH	EET MID

Client Sample ID: CS-13 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-13
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	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 17:47	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 02:54	CH	EET MID

Client Sample ID: CS-14 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-14
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			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 18:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:09	CH	EET MID

Client Sample ID: CS-15 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 00:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 18:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:14	CH	EET MID

Client Sample ID: CS-16 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-16
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			5.02 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 18:52	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:19	CH	EET MID

Client Sample ID: CS-17 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-17
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			5.03 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 19:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-17
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			5.02 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:24	CH	EET MID

Client Sample ID: CS-18 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-18
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			5.01 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 19:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:28	CH	EET MID

Client Sample ID: CS-19 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-19
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			5.02 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 19:57	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:33	CH	EET MID

Client Sample ID: CS-20 (1.5')
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-20
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			5.03 g	5 mL	39203	11/10/22 09:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39243	11/11/22 02:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39178	11/10/22 09:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39164	11/10/22 20:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39226	11/10/22 11:49	KS	EET MID
Soluble	Analysis	300.0		1			39266	11/11/22 03:38	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Job ID: 880-21419-1
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (1.5')
Lab Sample ID: 880-21419-21
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 21:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 11:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 04:18	CH	EET MID

Client Sample ID: CS-22 (1.5')
Lab Sample ID: 880-21419-22
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 22:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 13:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 04:33	CH	EET MID

Client Sample ID: CS-23 (1.5')
Lab Sample ID: 880-21419-23
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 13:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 04:38	CH	EET MID

Client Sample ID: CS-24 (1.5')
Lab Sample ID: 880-21419-24
Date Collected: 11/10/22 00:00
Matrix: Solid
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-24 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-24
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			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 13:45	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 04:43	CH	EET MID

Client Sample ID: CS-25 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-25
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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 23:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 14:07	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 04:48	CH	EET MID

Client Sample ID: CS-26 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-26
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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 14:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:03	CH	EET MID

Client Sample ID: CS-27 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-27
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			5.02 g	5 mL	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/10/22 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 14:50	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: CS-27 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-27
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			5.04 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:07	CH	EET MID

Client Sample ID: CS-28 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-28
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			5.03 g	5 mL	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 15:12	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:12	CH	EET MID

Client Sample ID: CS-29 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-29
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			5.01 g	5 mL	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 15:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:17	CH	EET MID

Client Sample ID: CS-30 (1.5')

Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

Lab Sample ID: 880-21419-30
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			5.02 g	5 mL	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 15:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:22	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-21419-31
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 17:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:27	CH	EET MID

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-21419-32
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 02:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 17:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:42	CH	EET MID

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-21419-33
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 02:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 17:47	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 05:47	CH	EET MID

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-21419-34
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 03:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-21419-34
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 18:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 06:02	CH	EET MID

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-21419-35
Matrix: Solid
Date Collected: 11/10/22 00:00
Date Received: 11/10/22 08:36

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	39205	11/10/22 10:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39166	11/11/22 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39284	11/11/22 08:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			39296	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39179	11/10/22 09:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/10/22 18:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39227	11/10/22 11:50	KS	EET MID
Soluble	Analysis	300.0		1			39267	11/11/22 06:07	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
Job ID: 880-21419-1
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113
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	T104704400-22-24	06-30-23

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

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

Method Summary

Client: Carmona Resources Job ID: 880-21419-1
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22) 113 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

Sample Summary

Client: Carmona Resources
Project/Site: Double ABJ 16 Federal Com 703H (08.26.22)
1138

Job ID: 880-21419-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21419-1	CS-1 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-2	CS-2 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-3	CS-3 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-4	CS-4 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-5	CS-5 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-6	CS-6 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-7	CS-7 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-8	CS-8 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-9	CS-9 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-10	CS-10 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-11	CS-11 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-12	CS-12 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-13	CS-13 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-14	CS-14 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-15	CS-15 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-16	CS-16 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-17	CS-17 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-18	CS-18 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-19	CS-19 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-20	CS-20 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-21	CS-21 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-22	CS-22 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-23	CS-23 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-24	CS-24 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-25	CS-25 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-26	CS-26 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-27	CS-27 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-28	CS-28 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-29	CS-29 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-30	CS-30 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-31	SW-1 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-32	SW-2 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-33	SW-3 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-34	SW-4 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36
880-21419-35	SW-5 (1.5')	Solid	11/10/22 00:00	11/10/22 08:36

Chain of Custody

Work Order No: _____

Page ___1___ of __4____

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** ☐ **Superfund** ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Double ABJ 16 Federal Com 703H (08.26.22)	**Turn Around**	
Project Number:	1138	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	GP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.30
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-1 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-2 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-3 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-4 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-5 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-6 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-7 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-8 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-9 (1.5')	11/10/2022		X		C	1	X	X	X	
CS-10 (1.5')	11/10/2022		X		C	1	X	X	X	

Comments: email results to mcarmona@carmonaresources.com and cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring		Jessica Kramer	11/10/2022 0836

Chain of Custody

Work Order No: _____

Page ___2___ of __4____

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 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** ☐ **Superfund** ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Double ABJ 16 Federal Com 703H (08.26.22)	**Turn Around**	
Project Number:	1138	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24Hrs
Sampler's Name:	GP		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-11 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-12 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-13 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-14 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-15 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-16 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-17 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-18 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-19 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-20 (1.5')	11/10/2022		X		C	1		X	X	X	

Comments: email results to mcarmona@carmonaresources.com and cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring		Jessica Kramer	

Chain of Custody

Work Order No: _____

Page ___3___ of __4____

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** ☐ **Superfund** ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Double ABJ 16 Federal Com 703H (08.26.22)	**Turn Around**	
Project Number:	1138	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24Hrs
Sampler's Name:	GP		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-21 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-22 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-23 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-24 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-25 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-26 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-27 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-28 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-29 (1.5')	11/10/2022		X		C	1		X	X	X	
CS-30 (1.5')	11/10/2022		X		C	1		X	X	X	

Comments: email results to mcarmona@carmonaresources.com and cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring		Jessica Kramer	

Chain of Custody

Work Order No: _____

Page ___4___ of __4____

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 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** ☐ **Superfund** ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Double ABJ 16 Federal Com 703H (08.26.22)	**Turn Around**	
Project Number:	1138	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24Hrs
Sampler's Name:	GP		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
SW-1 (1.5')	11/10/2022		X		C	1		X	X	X	
SW-2 (1.5')	11/10/2022		X		C	1		X	X	X	
SW-3 (1.5')	11/10/2022		X		C	1		X	X	X	
SW-4 (1.5')	11/10/2022		X		C	1		X	X	X	
SW-5 (1.5')	11/10/2022		X		C	1		X	X	X	

Comments: email results to mcarmona@carmonaresources.com and cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring		Jessica Kramer	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-21419-1
SDG Number: Lea County, New Mexico

Login Number: 21419
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

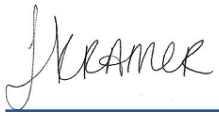
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature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

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
11/17/2022 1:20:16 PM
Revision 1

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

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

COMMENTS

Action 161972

COMMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 161972
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
csmith	Application returned to Review due to initial approval of the Initial C-141and not recognizing that the Operator was requesting Final Closure of the incident in the same application.	1/27/2023

District I
1625 N. French Dr., Hobbs, NM 88240
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CONDITIONS

Action 161972

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 161972
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/30/2023