CARMONA RESOURCES

SITE INFORMATION

Closure Report
Lizard Pot Federal 002H (07.07.2022)
Lea County, New Mexico
Incident ID: NAPP2220029489
Unit O Sec 24 T22S R24E
32.617030°, -103.790358°

Produced Water Release
Point of Release: Flow Line
Release Date: 07/07/2022
Volume Released: 9.821 barrels of Produced Water
Volume Recovered: 0 barrels of Produced Water

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

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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

September 20, 2022

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

Re: Closure Report
Lizard Pot Federal 002H (07.07.22)
Concho Operating, LLC
Site Location: Unit O, S24, T22S, R24E
(Lat 32.617030º, Long -103.790358º)
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 assessment activities. The site is located at 32.617030, -103.790358 within Unit O, S24, T22S, R24E, 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 July 07, 2022, due to a flowline leak. It released approximately 9.821 barrels of produced water, and (zero) 0 barrels were recovered. The impacted area occurred on the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.71 miles east of the site in S31, T19S, R32E and was drilled in 1975. The well has a reported depth to groundwater of 661.56' 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 Site Assessment Activities

Initial Assessment

On July 21, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 and S-3) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 4.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory

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analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3 and Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on August 25, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 5.0' below the surface, and the area of S-2 was excavated to a depth of 2.0' below the surface to remove all the impacted soils. A total of eight (8) floor confirmation samples were collected (CS-1 through CS-8), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 144 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,
Carmona Resources, LLC

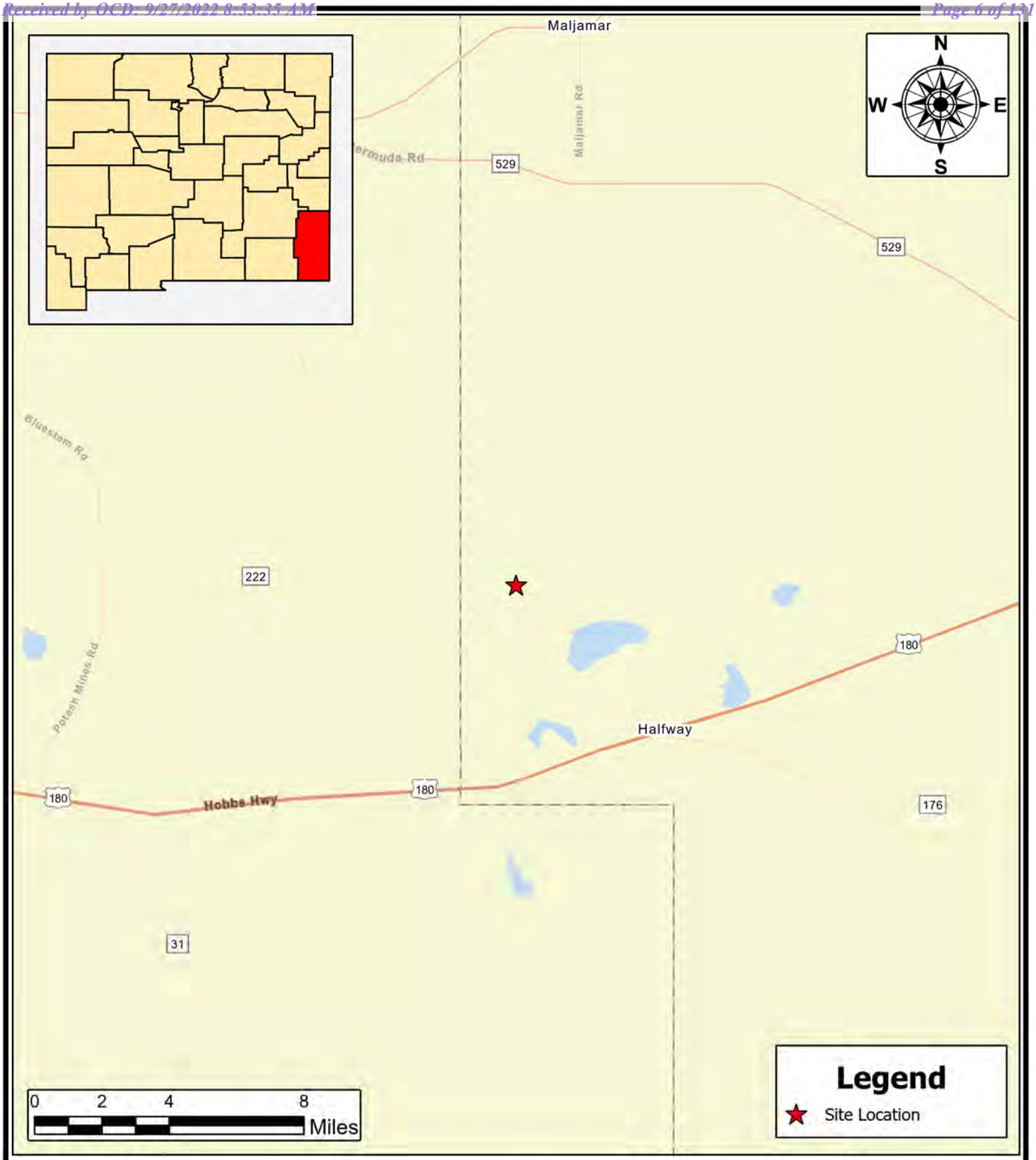
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES



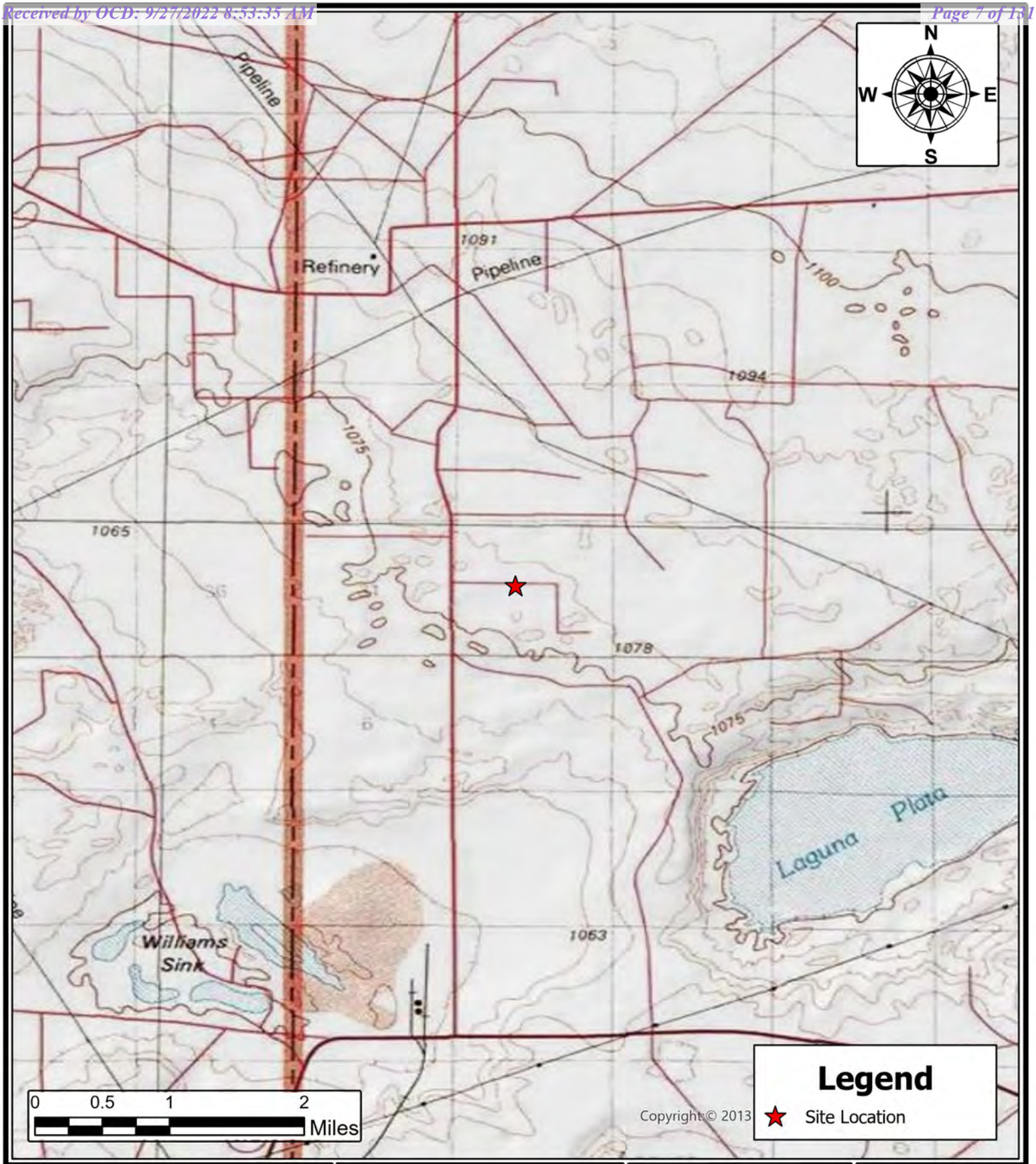
OVERVIEW MAP
COG OPERATING
LIZARD POT FEDERAL COM (07.07.22)
LEA COUNTY, NEW MEXICO
32.617030, -103.790358

SCALE: As Shown | Date: 8/29/2022

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



TOPOGRAPHIC MAP
COG OPERATING
LIZARD POT FEDERAL COM (07.07.22)
LEA COUNTY, NEW MEXICO
32.617030, -103.790358

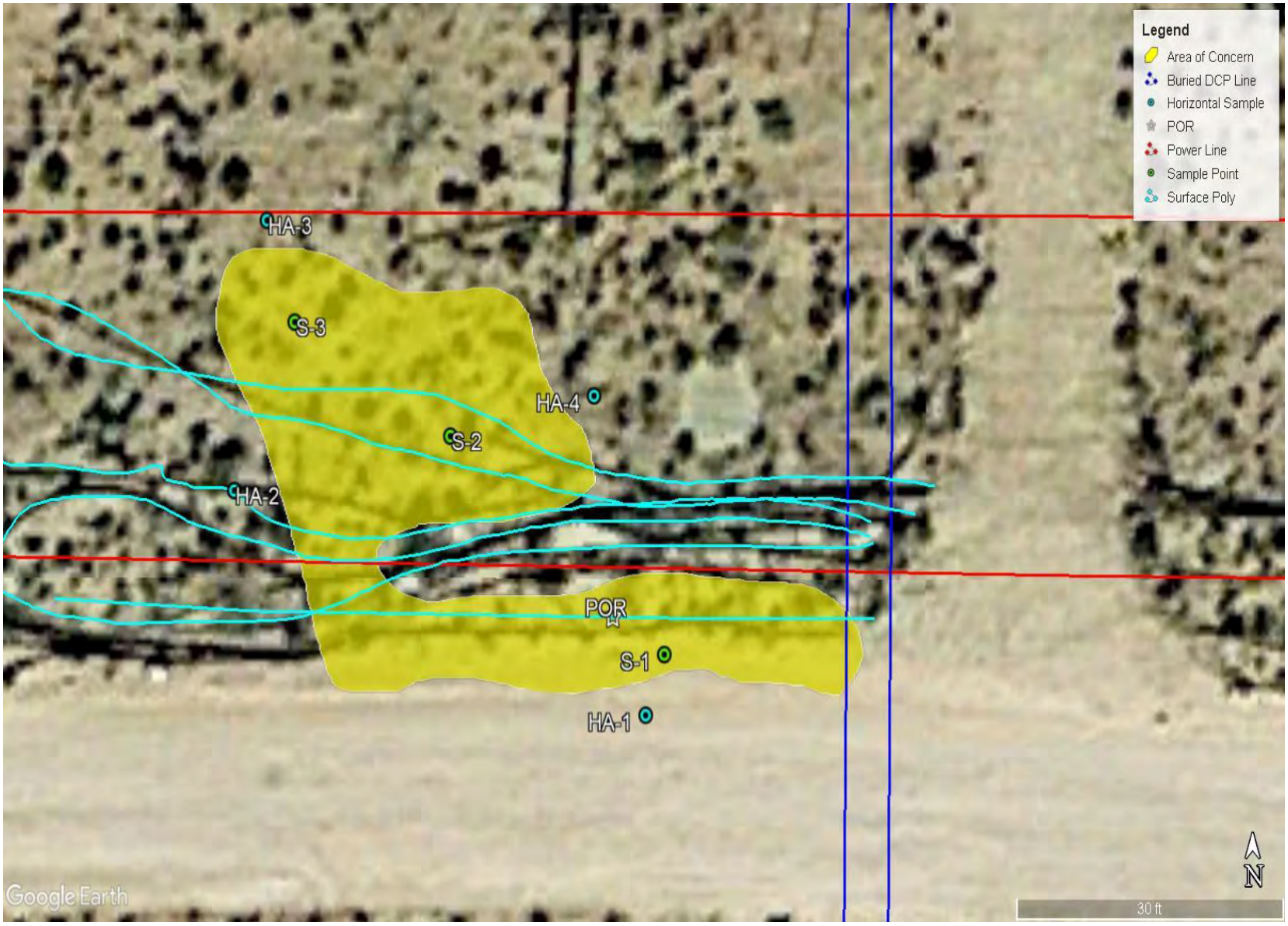
SCALE: As Shown | Date: 8/29/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

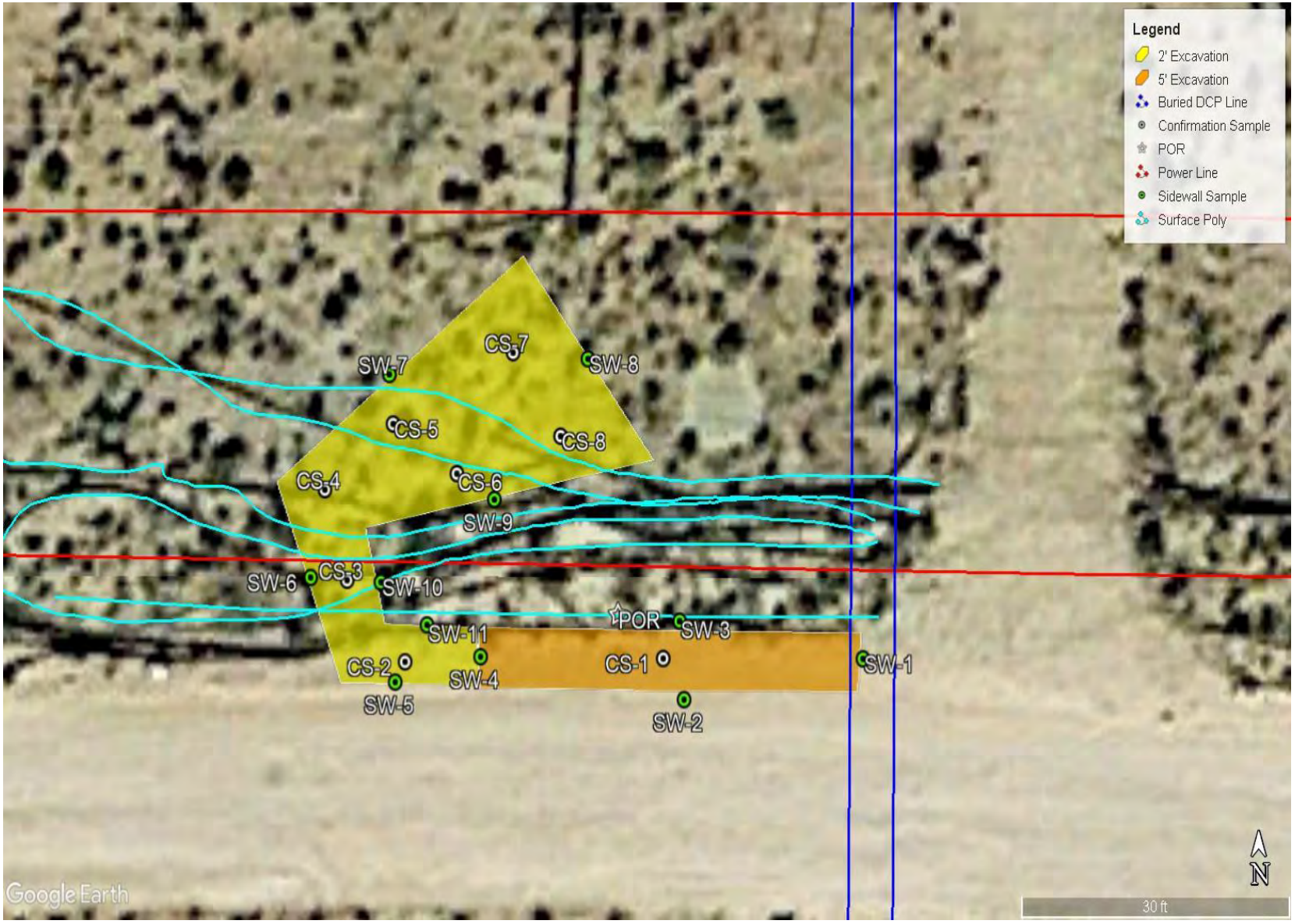
NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP
COG OPERATING
LIZARD POT FEDERAL COM (07.07.22)
LEA COUNTY, NEW MEXICO
32.617030, -103.790358

CARMONA RESOURCES



EXCAVATION DEPTH MAP
COG OPERATING
LIZARD POT FEDERAL COM (07.07.22)
LEA COUNTY, NEW MEXICO
32.617030, -103.790358

CARMONA RESOURCES

APPENDIX A

CARMONA RESOURCES

Table 1
COG
Lizard Pot Fed Com (07.07.22)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	7/21/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**619**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**706**
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**775**
	"	3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**737**
	"	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**742**
S-2	7/21/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**700**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**897**
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	348
	"	3.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	65.4
	"	4.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	527
S-3	7/21/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	555
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	228
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.7
	"	3.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	99.4
H-1	7/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.02
H-2	7/21/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	21.0
H-3	7/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.53
H-4	7/21/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	50.1
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(S) Sample Point
(H) Horizontal
Removed

Table 2
COG
Lizard Pot Fed Com (07.07.22)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	8/29/2022	5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.6
CS-2	8/29/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	9.66
CS-3	8/29/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	10.3
CS-4	8/29/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.7
CS-5	8/29/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.38
CS-6	8/29/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	9.88
CS-7	8/29/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10.6
CS-8	8/29/2022	2	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.8
SW-1	8/29/2022	5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.5
SW-2	8/29/2022	5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.3
SW-3	8/29/2022	5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.3
SW-4	8/29/2022	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.8
SW-5	8/29/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.8
SW-6	8/29/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.3
SW-7	8/29/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.4
SW-8	8/29/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12.3
SW-9	8/29/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.16
SW-10	8/29/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.2
SW-11	8/29/2022	2	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.4
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

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Lizard Pot Federal 002H (07.07.22)

County: Eddy County, New Mexico

Description:
View Northwest, area of S-1

Photograph No. 2

Facility: Lizard Pot Federal 002H (07.07.22)

County: Eddy County, New Mexico

Description:
View Southeast, area of S-2 and S-3

Photograph No. 3

Facility: Lizard Pot Federal 002H (07.07.22)

County: Eddy County, New Mexico

Description:
View Northeast, area of confirmation sample (CS-1)

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Lizard Pot Federal 002H (07.07.22)

County: Eddy County, New Mexico

Description:
View Southwest, area of confirmation sample (CS-3)

Photograph No. 5

Facility: Lizard Pot Federal 002H (07.07.22)

County: Eddy County, New Mexico

Description:
View Northeast, area of confirmation samples (CS4-CS-8).

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		

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:	Lizaerd Pot Fed 2
Asset Area:	DBW-North
Release Discovery Date & Time:	7/7/2022
Release Type:	Produced water
Provide any known details about the event:	Traced water line from SWD to spill to find where it was coming from.

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	20.0	40.0	3.00	4	800.000	0.063	8.900	0.003	8.928			
Rectangle B	4.0	20.0	3.00	4	80.000	0.063	0.890	0.003	0.893			
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
								Total Volume Release:	9.821			

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.

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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/26/2022

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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/26/2022

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: Mike Carmona
Sent: Thursday, August 25, 2022 12:17 PM
To: OCD.Enviro@state.nm.us
Cc: Conner Moehring; Harris, Jacqui
Subject: RE: COG - Lizard Pot Federal Com (07.07.22) Sampling Notification

Hello,

Due to safety concerns, we rescheduled the sampling. On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 08/29/22 around 8:00 a.m Mountain Time. Please let me know if you have any questions.

COG - Lizard Pot Federal Com (07.07.22)
Sec 32 T19S R32E Unit F
32.617030, -103.790358
Lea County, New Mexico

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

From: Mike Carmona
Sent: Monday, August 22, 2022 11:13 AM
To: OCD.Enviro@state.nm.us
Cc: Conner Moehring; Harris, Jacqui
Subject: COG - Lizard Pot Federal Com (07.07.22) Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 08/22/22 around 1 p.m Mountain Time. Please let me know if you have any questions.

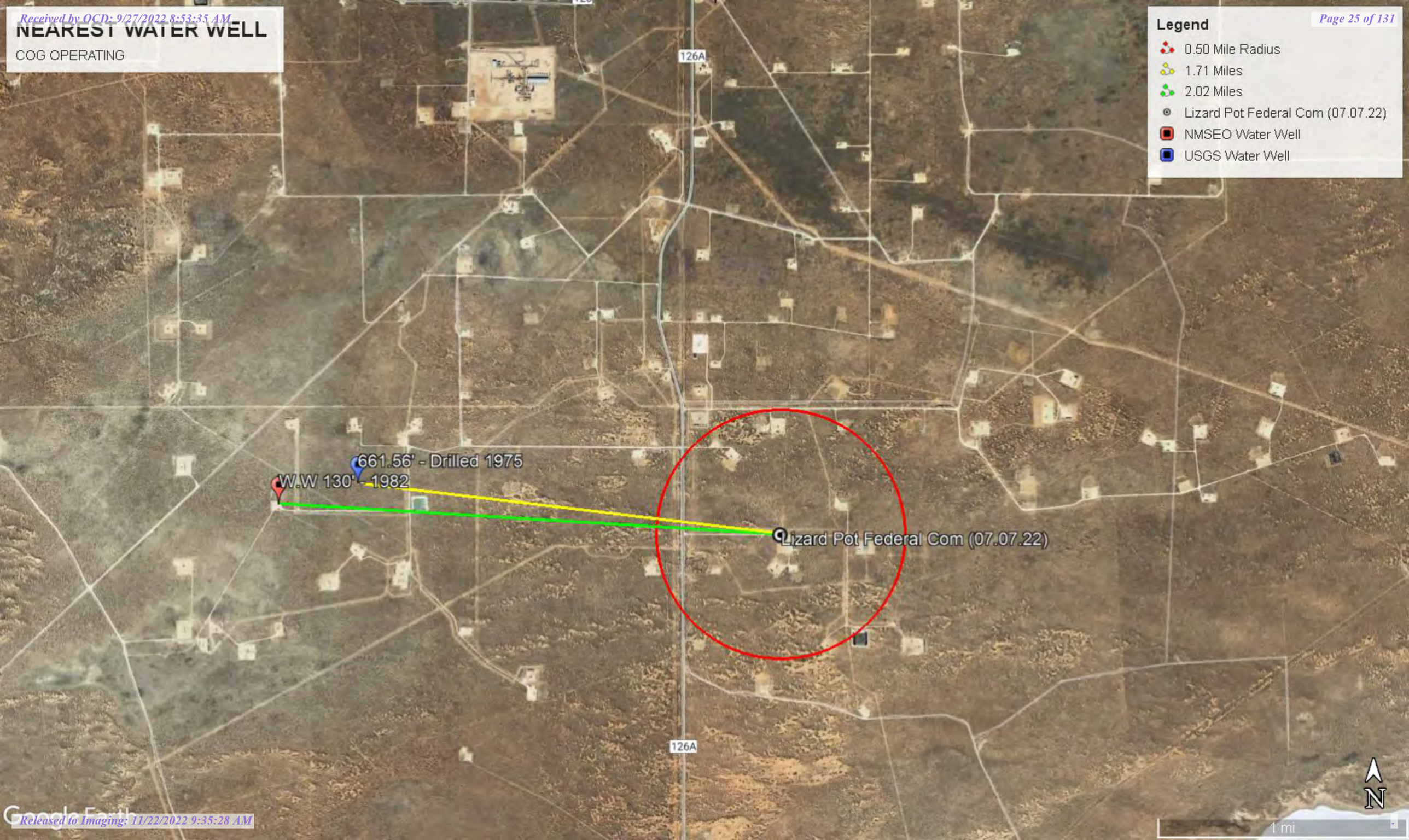
COG - Lizard Pot Federal Com (07.07.22)
Sec 32 T19S R32E Unit F
32.617030, -103.790358
Lea County, New Mexico

APPENDIX D

CARMONA RESOURCES

NEAREST WATER WELL

COG OPERATING



Legend

- 0.50 Mile Radius
- 1.71 Miles
- 2.02 Miles
- Lizard Pot Federal Com (07.07.22)
- NMSEO Water Well
- USGS Water Well

LOW KARST

COG OPERATING

Legend

Lizard Pot Federal Com (07.07.22)

Low

126

126A

Lizard Pot Federal Com (07.07.22)

126A

55

N

1 mi

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00641 POD1	CP	ED	4	1		36	19S	31E	610247	3609634*	3245	300	130	170
CP 00642 POD1	CP	ED	2	2		25	19S	31E	611025	3611657*	3289	250		
CP 00639 POD1	CP	LE	3	1		20	19S	32E	613029	3612880*	3433	350	345	5
CP 00640 POD1	CP	LE	2	2		19	19S	32E	612621	3613280*	3899	260	102	158

Average Depth to Water: **192 feet**

Minimum Depth: **102 feet**

Maximum Depth: **345 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 613488.92 **Northing (Y):** 3609477.94 **Radius:** 4000

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00641 POD1		4	1	36	19S	31E	610247	3609634*

Driller License:	882	**Driller Company:**	LARRY'S DRILLING & PUMP CO.		
Driller Name:	FELKINS, LARRY				
Drill Start Date:	02/11/1982	**Drill Finish Date:**	02/12/1982	**Plug Date:**	
Log File Date:	02/23/1982	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	300 feet	**Depth Water:**	130 feet

***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

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323712103491001

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

USGS 323712103491001 19S.32E.31.114

Lea County, New Mexico
Latitude 32°37'12", Longitude 103°49'10" NAD27
Land-surface elevation 3,497 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national 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
1966-09		M	62610		2974.45	NGVD29	1	Z		
1966-09		M	62611		2976.01	NAVD88	1	Z		
1966-09		M	72019	520.99			1	Z		
1967-07		M	62610		2990.31	NGVD29	1	Z		
1967-07		M	62611		2991.87	NAVD88	1	Z		
1967-07		M	72019	505.13			1	Z		
1967-09		M	62610		2986.43	NGVD29	1	Z		
1967-09		M	62611		2987.99	NAVD88	1	Z		
1967-09		M	72019	509.01			1	Z		
1967-11		M	62610		2982.96	NGVD29	1	Z		
1967-11		M	62611		2984.52	NAVD88	1	Z		
1967-11		M	72019	512.48			1	Z		
1968-01		M	62610		2979.75	NGVD29	1	Z		
1968-01		M	62611		2981.31	NAVD88	1	Z		
1968-01		M	72019	515.69			1	Z		
1968-03		M	62610		2976.92	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1968-03	M	62611	2978.48	NAVD88	1	Z	
1968-03	M	72019	518.52		1	Z	
1968-05	M	62610	2973.44	NGVD29	1	Z	
1968-05	M	62611	2975.00	NAVD88	1	Z	
1968-05	M	72019	522.00		1	Z	
1968-07	M	62610	2968.86	NGVD29	1	Z	
1968-07	M	62611	2970.42	NAVD88	1	Z	
1968-07	M	72019	526.58		1	Z	
1968-09	M	62610	2965.05	NGVD29	1	Z	
1968-09	M	62611	2966.61	NAVD88	1	Z	
1968-09	M	72019	530.39		1	Z	
1968-11	M	62610	2961.60	NGVD29	1	Z	
1968-11	M	62611	2963.16	NAVD88	1	Z	
1968-11	M	72019	533.84		1	Z	
1969-01	M	62610	2958.39	NGVD29	1	Z	
1969-01	M	62611	2959.95	NAVD88	1	Z	
1969-01	M	72019	537.05		1	Z	
1969-03	M	62610	2954.31	NGVD29	1	Z	
1969-03	M	62611	2955.87	NAVD88	1	Z	
1969-03	M	72019	541.13		1	Z	
1969-05	M	62610	2950.86	NGVD29	1	Z	
1969-05	M	62611	2952.42	NAVD88	1	Z	
1969-05	M	72019	544.58		1	Z	
1969-07	M	62610	2947.00	NGVD29	1	Z	
1969-07	M	62611	2948.56	NAVD88	1	Z	
1969-07	M	72019	548.44		1	Z	
1969-09	M	62610	2943.31	NGVD29	1	Z	
1969-09	M	62611	2944.87	NAVD88	1	Z	
1969-09	M	72019	552.13		1	Z	
1969-11	M	62610	2940.77	NGVD29	1	Z	
1969-11	M	62611	2942.33	NAVD88	1	Z	
1969-11	M	72019	554.67		1	Z	
1970-01	M	62610	2938.01	NGVD29	1	Z	
1970-01	M	62611	2939.57	NAVD88	1	Z	
1970-01	M	72019	557.43		1	Z	
1970-03	M	62610	2936.13	NGVD29	1	Z	
1970-03	M	62611	2937.69	NAVD88	1	Z	
1970-03	M	72019	559.31		1	Z	
1970-05	M	62610	2932.48	NGVD29	1	Z	
1970-05	M	62611	2934.04	NAVD88	1	Z	
1970-05	M	72019	562.96		1	Z	
1970-07	M	62610	2928.11	NGVD29	1	Z	
1970-07	M	62611	2929.67	NAVD88	1	Z	
1970-07	M	72019	567.33		1	Z	
1970-09	M	62610	2923.92	NGVD29	1	Z	
1970-09	M	62611	2925.48	NAVD88	1	Z	
1970-09	M	72019	571.52		1	Z	
1970-11	M	62610	2921.27	NGVD29	1	Z	
1970-11	M	62611	2922.83	NAVD88	1	Z	
1970-11	M	72019	574.17		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	
1971-01	M	62610	2917.43	NGVD29	1	Z	
1971-01	M	62611	2918.99	NAVD88	1	Z	
1971-01	M	72019	578.01		1	Z	
1971-03	M	62610	2914.32	NGVD29	1	Z	
1971-03	M	62611	2915.88	NAVD88	1	Z	
1971-03	M	72019	581.12		1	Z	
1971-05	M	62610	2908.92	NGVD29	1	Z	
1971-05	M	62611	2910.48	NAVD88	1	Z	
1971-05	M	72019	586.52		1	Z	
1971-07	M	62610	2904.68	NGVD29	1	Z	
1971-07	M	62611	2906.24	NAVD88	1	Z	
1971-07	M	72019	590.76		1	Z	
1971-09	M	62610	2901.09	NGVD29	1	Z	
1971-09	M	62611	2902.65	NAVD88	1	Z	
1971-09	M	72019	594.35		1	Z	
1971-11	M	62610	2898.49	NGVD29	1	Z	
1971-11	M	62611	2900.05	NAVD88	1	Z	
1971-11	M	72019	596.95		1	Z	
1972-01	M	62610	2896.02	NGVD29	1	Z	
1972-01	M	62611	2897.58	NAVD88	1	Z	
1972-01	M	72019	599.42		1	Z	
1972-03	M	62610	2893.24	NGVD29	1	Z	
1972-03	M	62611	2894.80	NAVD88	1	Z	
1972-03	M	72019	602.20		1	Z	
1972-05	M	62610	2889.97	NGVD29	1	Z	
1972-05	M	62611	2891.53	NAVD88	1	Z	
1972-05	M	72019	605.47		1	Z	
1972-07	M	62610	2886.81	NGVD29	1	Z	
1972-07	M	62611	2888.37	NAVD88	1	Z	
1972-07	M	72019	608.63		1	Z	
1972-09	M	62610	2884.10	NGVD29	1	Z	
1972-09	M	62611	2885.66	NAVD88	1	Z	
1972-09	M	72019	611.34		1	Z	
1972-11	M	62610	2882.57	NGVD29	1	Z	
1972-11	M	62611	2884.13	NAVD88	1	Z	
1972-11	M	72019	612.87		1	Z	
1973-01	M	62610	2880.52	NGVD29	1	Z	
1973-01	M	62611	2882.08	NAVD88	1	Z	
1973-01	M	72019	614.92		1	Z	
1973-03	M	62610	2879.59	NGVD29	1	Z	
1973-03	M	62611	2881.15	NAVD88	1	Z	
1973-03	M	72019	615.85		1	Z	
1973-05	M	62610	2874.74	NGVD29	1	Z	
1973-05	M	62611	2876.30	NAVD88	1	Z	
1973-05	M	72019	620.70		1	Z	
1973-07	M	62610	2871.78	NGVD29	1	Z	
1973-07	M	62611	2873.34	NAVD88	1	Z	
1973-07	M	72019	623.66		1	Z	
1973-09	M	62610	2865.11	NGVD29	1	Z	
1973-09	M	62611	2866.67	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	
1973-09	M	72019	630.33			1	Z		
1973-11	M	62610		2862.56	NGVD29	1	Z		
1973-11	M	62611		2864.12	NAVD88	1	Z		
1973-11	M	72019	632.88			1	Z		
1974-01	M	62610		2859.06	NGVD29	1	Z		
1974-01	M	62611		2860.62	NAVD88	1	Z		
1974-01	M	72019	636.38			1	Z		
1974-03	M	62610		2856.03	NGVD29	1	Z		
1974-03	M	62611		2857.59	NAVD88	1	Z		
1974-03	M	72019	639.41			1	Z		
1974-05	M	62610		2850.30	NGVD29	1	Z		
1974-05	M	62611		2851.86	NAVD88	1	Z		
1974-05	M	72019	645.14			1	Z		
1974-09	M	62610		2844.19	NGVD29	1	Z		
1974-09	M	62611		2845.75	NAVD88	1	Z		
1974-09	M	72019	651.25			1	Z		
1975-03-21	D	62610		2839.65	NGVD29	1	Z		
1975-03-21	D	62611		2841.21	NAVD88	1	Z		
1975-03-21	D	72019	655.79			1	Z		
1975-03-22	D	62610		2839.78	NGVD29	1	Z		
1975-03-22	D	62611		2841.34	NAVD88	1	Z		
1975-03-22	D	72019	655.66			1	Z		
1975-03-23	D	62610		2839.84	NGVD29	1	Z		
1975-03-23	D	62611		2841.40	NAVD88	1	Z		
1975-03-23	D	72019	655.60			1	Z		
1975-03-24	D	62610		2839.59	NGVD29	1	Z		
1975-03-24	D	62611		2841.15	NAVD88	1	Z		
1975-03-24	D	72019	655.85			1	Z		
1975-03-25	D	62610		2839.58	NGVD29	1	Z		
1975-03-25	D	62611		2841.14	NAVD88	1	Z		
1975-03-25	D	72019	655.86			1	Z		
1975-03-26	D	62610		2839.79	NGVD29	1	Z		
1975-03-26	D	62611		2841.35	NAVD88	1	Z		
1975-03-26	D	72019	655.65			1	Z		
1975-03-27	D	62610		2839.74	NGVD29	1	Z		
1975-03-27	D	62611		2841.30	NAVD88	1	Z		
1975-03-27	D	72019	655.70			1	Z		
1975-03-28	D	62610		2839.56	NGVD29	1	Z		
1975-03-28	D	62611		2841.12	NAVD88	1	Z		
1975-03-28	D	72019	655.88			1	Z		
1975-03-29	D	62610		2839.39	NGVD29	1	Z		
1975-03-29	D	62611		2840.95	NAVD88	1	Z		
1975-03-29	D	72019	656.05			1	Z		
1975-03-30	D	62610		2839.34	NGVD29	1	Z		
1975-03-30	D	62611		2840.90	NAVD88	1	Z		
1975-03-30	D	72019	656.10			1	Z		
1975-03-31	D	62610		2839.55	NGVD29	1	Z		
1975-03-31	D	62611		2841.11	NAVD88	1	Z		
1975-03-31	D	72019	655.89			1	Z		
1975-04-01	D	62610		2839.48	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1975-04-01	D	62611	2841.04	NAVD88	1	Z	
1975-04-01	D	72019	655.96		1	Z	
1975-04-02	D	62610	2839.30	NGVD29	1	Z	
1975-04-02	D	62611	2840.86	NAVD88	1	Z	
1975-04-02	D	72019	656.14		1	Z	
1975-04-03	D	62610	2839.15	NGVD29	1	Z	
1975-04-03	D	62611	2840.71	NAVD88	1	Z	
1975-04-03	D	72019	656.29		1	Z	
1975-04-04	D	62610	2839.24	NGVD29	1	Z	
1975-04-04	D	62611	2840.80	NAVD88	1	Z	
1975-04-04	D	72019	656.20		1	Z	
1975-04-05	D	62610	2839.19	NGVD29	1	Z	
1975-04-05	D	62611	2840.75	NAVD88	1	Z	
1975-04-05	D	72019	656.25		1	Z	
1975-04-06	D	62610	2839.21	NGVD29	1	Z	
1975-04-06	D	62611	2840.77	NAVD88	1	Z	
1975-04-06	D	72019	656.23		1	Z	
1975-04-07	D	62610	2839.37	NGVD29	1	Z	
1975-04-07	D	62611	2840.93	NAVD88	1	Z	
1975-04-07	D	72019	656.07		1	Z	
1975-04-08	D	62610	2839.16	NGVD29	1	Z	
1975-04-08	D	62611	2840.72	NAVD88	1	Z	
1975-04-08	D	72019	656.28		1	Z	
1975-04-09	D	62610	2838.96	NGVD29	1	Z	
1975-04-09	D	62611	2840.52	NAVD88	1	Z	
1975-04-09	D	72019	656.48		1	Z	
1975-04-10	D	62610	2839.02	NGVD29	1	Z	
1975-04-10	D	62611	2840.58	NAVD88	1	Z	
1975-04-10	D	72019	656.42		1	Z	
1975-04-11	D	62610	2838.81	NGVD29	1	Z	
1975-04-11	D	62611	2840.37	NAVD88	1	Z	
1975-04-11	D	72019	656.63		1	Z	
1975-04-12	D	62610	2838.82	NGVD29	1	Z	
1975-04-12	D	62611	2840.38	NAVD88	1	Z	
1975-04-12	D	72019	656.62		1	Z	
1975-04-13	D	62610	2838.89	NGVD29	1	Z	
1975-04-13	D	62611	2840.45	NAVD88	1	Z	
1975-04-13	D	72019	656.55		1	Z	
1975-04-14	D	62610	2838.73	NGVD29	1	Z	
1975-04-14	D	62611	2840.29	NAVD88	1	Z	
1975-04-14	D	72019	656.71		1	Z	
1975-04-15	D	62610	2838.69	NGVD29	1	Z	
1975-04-15	D	62611	2840.25	NAVD88	1	Z	
1975-04-15	D	72019	656.75		1	Z	
1975-04-16	D	62610	2838.74	NGVD29	1	Z	
1975-04-16	D	62611	2840.30	NAVD88	1	Z	
1975-04-16	D	72019	656.70		1	Z	
1975-04-17	D	62610	2838.86	NGVD29	1	Z	
1975-04-17	D	62611	2840.42	NAVD88	1	Z	
1975-04-17	D	72019	656.58		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	
1975-04-18	D	62610	2838.82	NGVD29	1	Z	
1975-04-18	D	62611	2840.38	NAVD88	1	Z	
1975-04-18	D	72019	656.62		1	Z	
1975-04-19	D	62610	2838.51	NGVD29	1	Z	
1975-04-19	D	62611	2840.07	NAVD88	1	Z	
1975-04-19	D	72019	656.93		1	Z	
1975-04-20	D	62610	2838.48	NGVD29	1	Z	
1975-04-20	D	62611	2840.04	NAVD88	1	Z	
1975-04-20	D	72019	656.96		1	Z	
1975-04-21	D	62610	2838.39	NGVD29	1	Z	
1975-04-21	D	62611	2839.95	NAVD88	1	Z	
1975-04-21	D	72019	657.05		1	Z	
1975-04-22	D	62610	2838.41	NGVD29	1	Z	
1975-04-22	D	62611	2839.97	NAVD88	1	Z	
1975-04-22	D	72019	657.03		1	Z	
1975-04-23	D	62610	2838.42	NGVD29	1	Z	
1975-04-23	D	62611	2839.98	NAVD88	1	Z	
1975-04-23	D	72019	657.02		1	Z	
1975-04-24	D	62610	2838.40	NGVD29	1	Z	
1975-04-24	D	62611	2839.96	NAVD88	1	Z	
1975-04-24	D	72019	657.04		1	Z	
1975-04-25	D	62610	2838.38	NGVD29	1	Z	
1975-04-25	D	62611	2839.94	NAVD88	1	Z	
1975-04-25	D	72019	657.06		1	Z	
1975-04-26	D	62610	2838.42	NGVD29	1	Z	
1975-04-26	D	62611	2839.98	NAVD88	1	Z	
1975-04-26	D	72019	657.02		1	Z	
1975-04-27	D	62610	2838.41	NGVD29	1	Z	
1975-04-27	D	62611	2839.97	NAVD88	1	Z	
1975-04-27	D	72019	657.03		1	Z	
1975-04-28	D	62610	2838.27	NGVD29	1	Z	
1975-04-28	D	62611	2839.83	NAVD88	1	Z	
1975-04-28	D	72019	657.17		1	Z	
1975-04-29	D	62610	2838.32	NGVD29	1	Z	
1975-04-29	D	62611	2839.88	NAVD88	1	Z	
1975-04-29	D	72019	657.12		1	Z	
1975-04-30	D	62610	2838.12	NGVD29	1	Z	
1975-04-30	D	62611	2839.68	NAVD88	1	Z	
1975-04-30	D	72019	657.32		1	Z	
1975-05-01	D	62610	2838.03	NGVD29	1	Z	
1975-05-01	D	62611	2839.59	NAVD88	1	Z	
1975-05-01	D	72019	657.41		1	Z	
1975-05-02	D	62610	2838.03	NGVD29	1	Z	
1975-05-02	D	62611	2839.59	NAVD88	1	Z	
1975-05-02	D	72019	657.41		1	Z	
1975-05-03	D	62610	2837.93	NGVD29	1	Z	
1975-05-03	D	62611	2839.49	NAVD88	1	Z	
1975-05-03	D	72019	657.51		1	Z	
1975-05-04	D	62610	2837.98	NGVD29	1	Z	
1975-05-04	D	62611	2839.54	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	
1975-05-04	D	72019	657.46		1	Z	
1975-05-05	D	62610	2838.02	NGVD29	1	Z	
1975-05-05	D	62611	2839.58	NAVD88	1	Z	
1975-05-05	D	72019	657.42		1	Z	
1975-05-06	D	62610	2837.91	NGVD29	1	Z	
1975-05-06	D	62611	2839.47	NAVD88	1	Z	
1975-05-06	D	72019	657.53		1	Z	
1975-05-07	D	62610	2837.85	NGVD29	1	Z	
1975-05-07	D	62611	2839.41	NAVD88	1	Z	
1975-05-07	D	72019	657.59		1	Z	
1975-05-08	D	62610	2837.74	NGVD29	1	Z	
1975-05-08	D	62611	2839.30	NAVD88	1	Z	
1975-05-08	D	72019	657.70		1	Z	
1975-05-09	D	62610	2837.63	NGVD29	1	Z	
1975-05-09	D	62611	2839.19	NAVD88	1	Z	
1975-05-09	D	72019	657.81		1	Z	
1975-05-10	D	62610	2837.56	NGVD29	1	Z	
1975-05-10	D	62611	2839.12	NAVD88	1	Z	
1975-05-10	D	72019	657.88		1	Z	
1975-05-11	D	62610	2837.57	NGVD29	1	Z	
1975-05-11	D	62611	2839.13	NAVD88	1	Z	
1975-05-11	D	72019	657.87		1	Z	
1975-05-12	D	62610	2837.62	NGVD29	1	Z	
1975-05-12	D	62611	2839.18	NAVD88	1	Z	
1975-05-12	D	72019	657.82		1	Z	
1975-05-13	D	62610	2837.62	NGVD29	1	Z	
1975-05-13	D	62611	2839.18	NAVD88	1	Z	
1975-05-13	D	72019	657.82		1	Z	
1975-05-14	D	62610	2837.47	NGVD29	1	Z	
1975-05-14	D	62611	2839.03	NAVD88	1	Z	
1975-05-14	D	72019	657.97		1	Z	
1975-05-15	D	62610	2837.41	NGVD29	1	Z	
1975-05-15	D	62611	2838.97	NAVD88	1	Z	
1975-05-15	D	72019	658.03		1	Z	
1975-05-16	D	62610	2837.42	NGVD29	1	Z	
1975-05-16	D	62611	2838.98	NAVD88	1	Z	
1975-05-16	D	72019	658.02		1	Z	
1975-05-17	D	62610	2837.34	NGVD29	1	Z	
1975-05-17	D	62611	2838.90	NAVD88	1	Z	
1975-05-17	D	72019	658.10		1	Z	
1975-05-18	D	62610	2837.26	NGVD29	1	Z	
1975-05-18	D	62611	2838.82	NAVD88	1	Z	
1975-05-18	D	72019	658.18		1	Z	
1975-05-19	D	62610	2837.27	NGVD29	1	Z	
1975-05-19	D	62611	2838.83	NAVD88	1	Z	
1975-05-19	D	72019	658.17		1	Z	
1975-05-20	D	62610	2837.34	NGVD29	1	Z	
1975-05-20	D	62611	2838.90	NAVD88	1	Z	
1975-05-20	D	72019	658.10		1	Z	
1975-05-21	D	62610	2837.22	NGVD29	1	Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1975-05-21	D	62611	2838.78	NAVD88	1	Z	
1975-05-21	D	72019	658.22		1	Z	
1975-05-22	D	62610	2837.21	NGVD29	1	Z	
1975-05-22	D	62611	2838.77	NAVD88	1	Z	
1975-05-22	D	72019	658.23		1	Z	
1975-05-23	D	62610	2837.02	NGVD29	1	Z	
1975-05-23	D	62611	2838.58	NAVD88	1	Z	
1975-05-23	D	72019	658.42		1	Z	
1975-05-24	D	62610	2837.00	NGVD29	1	Z	
1975-05-24	D	62611	2838.56	NAVD88	1	Z	
1975-05-24	D	72019	658.44		1	Z	
1975-05-25	D	62610	2836.99	NGVD29	1	Z	
1975-05-25	D	62611	2838.55	NAVD88	1	Z	
1975-05-25	D	72019	658.45		1	Z	
1975-05-26	D	62610	2836.81	NGVD29	1	Z	
1975-05-26	D	62611	2838.37	NAVD88	1	Z	
1975-05-26	D	72019	658.63		1	Z	
1975-05-27	D	62610	2836.84	NGVD29	1	Z	
1975-05-27	D	62611	2838.40	NAVD88	1	Z	
1975-05-27	D	72019	658.60		1	Z	
1975-05-28	D	62610	2836.97	NGVD29	1	Z	
1975-05-28	D	62611	2838.53	NAVD88	1	Z	
1975-05-28	D	72019	658.47		1	Z	
1975-05-29	D	62610	2836.89	NGVD29	1	Z	
1975-05-29	D	62611	2838.45	NAVD88	1	Z	
1975-05-29	D	72019	658.55		1	Z	
1975-05-30	D	62610	2836.68	NGVD29	1	Z	
1975-05-30	D	62611	2838.24	NAVD88	1	Z	
1975-05-30	D	72019	658.76		1	Z	
1975-05-31	D	62610	2836.67	NGVD29	1	Z	
1975-05-31	D	62611	2838.23	NAVD88	1	Z	
1975-05-31	D	72019	658.77		1	Z	
1975-06-01	D	62610	2836.61	NGVD29	1	Z	
1975-06-01	D	62611	2838.17	NAVD88	1	Z	
1975-06-01	D	72019	658.83		1	Z	
1975-06-02	D	62610	2836.51	NGVD29	1	Z	
1975-06-02	D	62611	2838.07	NAVD88	1	Z	
1975-06-02	D	72019	658.93		1	Z	
1975-06-03	D	62610	2836.56	NGVD29	1	Z	
1975-06-03	D	62611	2838.12	NAVD88	1	Z	
1975-06-03	D	72019	658.88		1	Z	
1975-06-04	D	62610	2836.55	NGVD29	1	Z	
1975-06-04	D	62611	2838.11	NAVD88	1	Z	
1975-06-04	D	72019	658.89		1	Z	
1975-06-05	D	62610	2836.44	NGVD29	1	Z	
1975-06-05	D	62611	2838.00	NAVD88	1	Z	
1975-06-05	D	72019	659.00		1	Z	
1975-06-06	D	62610	2836.34	NGVD29	1	Z	
1975-06-06	D	62611	2837.90	NAVD88	1	Z	
1975-06-06	D	72019	659.10		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	
1975-06-07	D	62610	2836.31	NGVD29	1	Z	
1975-06-07	D	62611	2837.87	NAVD88	1	Z	
1975-06-07	D	72019	659.13		1	Z	
1975-06-08	D	62610	2836.28	NGVD29	1	Z	
1975-06-08	D	62611	2837.84	NAVD88	1	Z	
1975-06-08	D	72019	659.16		1	Z	
1975-06-09	D	62610	2836.23	NGVD29	1	Z	
1975-06-09	D	62611	2837.79	NAVD88	1	Z	
1975-06-09	D	72019	659.21		1	Z	
1975-06-10	D	62610	2836.09	NGVD29	1	Z	
1975-06-10	D	62611	2837.65	NAVD88	1	Z	
1975-06-10	D	72019	659.35		1	Z	
1975-06-11	D	62610	2835.94	NGVD29	1	Z	
1975-06-11	D	62611	2837.50	NAVD88	1	Z	
1975-06-11	D	72019	659.50		1	Z	
1975-06-13	D	62610	2835.91	NGVD29	1	Z	
1975-06-13	D	62611	2837.47	NAVD88	1	Z	
1975-06-13	D	72019	659.53		1	Z	
1975-06-14	D	62610	2835.92	NGVD29	1	Z	
1975-06-14	D	62611	2837.48	NAVD88	1	Z	
1975-06-14	D	72019	659.52		1	Z	
1975-06-15	D	62610	2835.83	NGVD29	1	Z	
1975-06-15	D	62611	2837.39	NAVD88	1	Z	
1975-06-15	D	72019	659.61		1	Z	
1975-06-16	D	62610	2835.87	NGVD29	1	Z	
1975-06-16	D	62611	2837.43	NAVD88	1	Z	
1975-06-16	D	72019	659.57		1	Z	
1975-06-17	D	62610	2835.83	NGVD29	1	Z	
1975-06-17	D	62611	2837.39	NAVD88	1	Z	
1975-06-17	D	72019	659.61		1	Z	
1975-06-18	D	62610	2835.77	NGVD29	1	Z	
1975-06-18	D	62611	2837.33	NAVD88	1	Z	
1975-06-18	D	72019	659.67		1	Z	
1975-06-19	D	62610	2835.57	NGVD29	1	Z	
1975-06-19	D	62611	2837.13	NAVD88	1	Z	
1975-06-19	D	72019	659.87		1	Z	
1975-06-20	D	62610	2835.47	NGVD29	1	Z	
1975-06-20	D	62611	2837.03	NAVD88	1	Z	
1975-06-20	D	72019	659.97		1	Z	
1975-06-21	D	62610	2835.43	NGVD29	1	Z	
1975-06-21	D	62611	2836.99	NAVD88	1	Z	
1975-06-21	D	72019	660.01		1	Z	
1975-06-22	D	62610	2835.35	NGVD29	1	Z	
1975-06-22	D	62611	2836.91	NAVD88	1	Z	
1975-06-22	D	72019	660.09		1	Z	
1975-06-23	D	62610	2835.22	NGVD29	1	Z	
1975-06-23	D	62611	2836.78	NAVD88	1	Z	
1975-06-23	D	72019	660.22		1	Z	
1975-06-24	D	62610	2835.12	NGVD29	1	Z	
1975-06-24	D	62611	2836.68	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	
1975-06-24	D	72019	660.32		1	Z	
1975-06-25	D	62610	2835.16	NGVD29	1	Z	
1975-06-25	D	62611	2836.72	NAVD88	1	Z	
1975-06-25	D	72019	660.28		1	Z	
1975-06-26	D	62610	2835.16	NGVD29	1	Z	
1975-06-26	D	62611	2836.72	NAVD88	1	Z	
1975-06-26	D	72019	660.28		1	Z	
1975-06-27	D	62610	2835.08	NGVD29	1	Z	
1975-06-27	D	62611	2836.64	NAVD88	1	Z	
1975-06-27	D	72019	660.36		1	Z	
1975-06-28	D	62610	2835.02	NGVD29	1	Z	
1975-06-28	D	62611	2836.58	NAVD88	1	Z	
1975-06-28	D	72019	660.42		1	Z	
1975-06-29	D	62610	2834.91	NGVD29	1	Z	
1975-06-29	D	62611	2836.47	NAVD88	1	Z	
1975-06-29	D	72019	660.53		1	Z	
1975-06-30	D	62610	2834.79	NGVD29	1	Z	
1975-06-30	D	62611	2836.35	NAVD88	1	Z	
1975-06-30	D	72019	660.65		1	Z	
1975-07-01	D	62610	2834.71	NGVD29	1	Z	
1975-07-01	D	62611	2836.27	NAVD88	1	Z	
1975-07-01	D	72019	660.73		1	Z	
1975-07-02	D	62610	2834.62	NGVD29	1	Z	
1975-07-02	D	62611	2836.18	NAVD88	1	Z	
1975-07-02	D	72019	660.82		1	Z	
1975-07-03	D	62610	2834.56	NGVD29	1	Z	
1975-07-03	D	62611	2836.12	NAVD88	1	Z	
1975-07-03	D	72019	660.88		1	Z	
1975-07-04	D	62610	2834.49	NGVD29	1	Z	
1975-07-04	D	62611	2836.05	NAVD88	1	Z	
1975-07-04	D	72019	660.95		1	Z	
1975-07-05	D	62610	2834.50	NGVD29	1	Z	
1975-07-05	D	62611	2836.06	NAVD88	1	Z	
1975-07-05	D	72019	660.94		1	Z	
1975-07-06	D	62610	2834.51	NGVD29	1	Z	
1975-07-06	D	62611	2836.07	NAVD88	1	Z	
1975-07-06	D	72019	660.93		1	Z	
1975-07-07	D	62610	2834.42	NGVD29	1	Z	
1975-07-07	D	62611	2835.98	NAVD88	1	Z	
1975-07-07	D	72019	661.02		1	Z	
1975-07-08	D	62610	2834.31	NGVD29	1	Z	
1975-07-08	D	62611	2835.87	NAVD88	1	Z	
1975-07-08	D	72019	661.13		1	Z	
1975-07-09	D	62610	2834.29	NGVD29	1	Z	
1975-07-09	D	62611	2835.85	NAVD88	1	Z	
1975-07-09	D	72019	661.15		1	Z	
1975-07-10	D	62610	2834.28	NGVD29	1	Z	
1975-07-10	D	62611	2835.84	NAVD88	1	Z	
1975-07-10	D	72019	661.16		1	Z	
1975-07-11	D	62610	2834.23	NGVD29	1	Z	

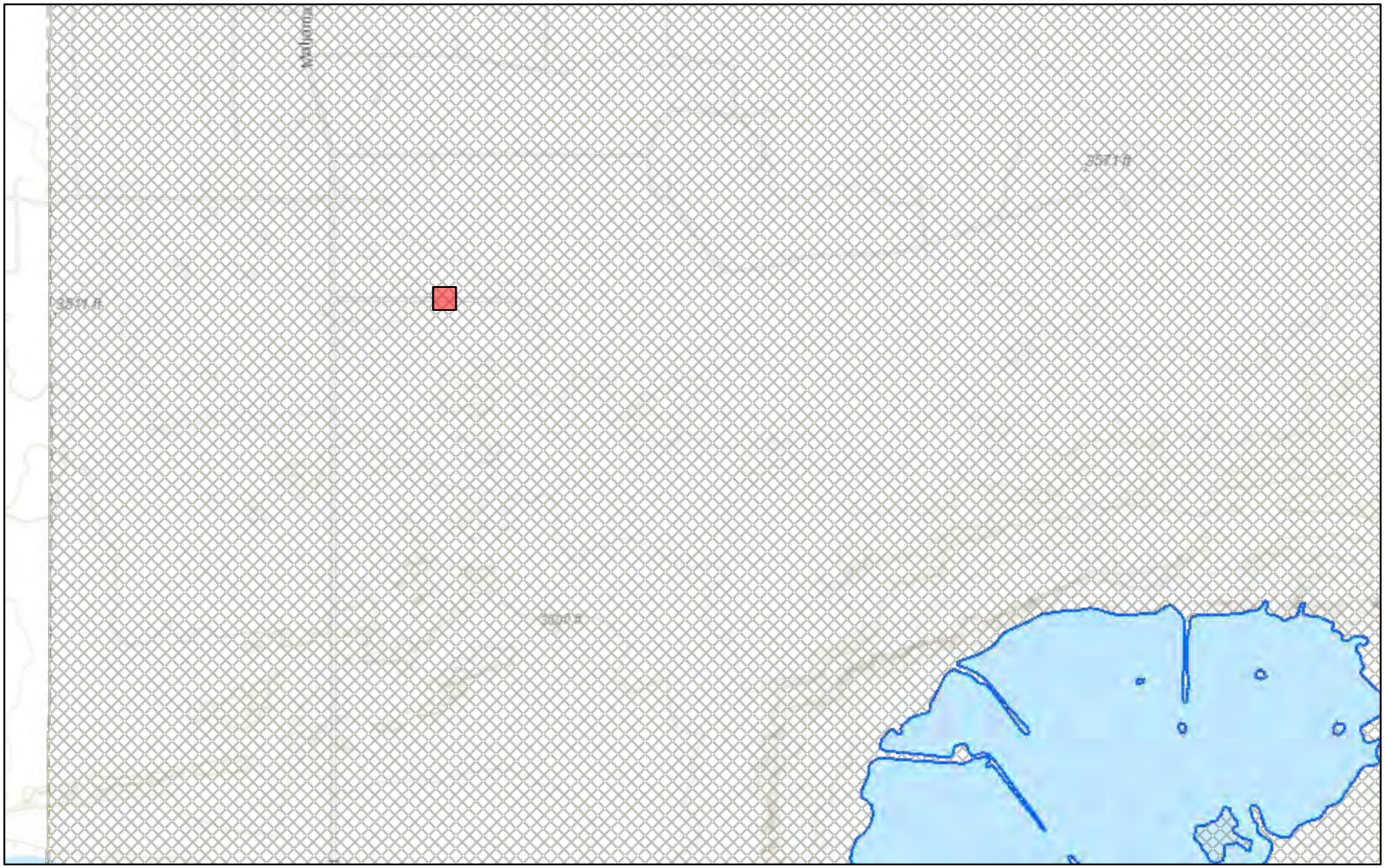
Date	Time	? Water-level date-time accuracy	? Parameter code		Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1975-07-11	D	62611		2835.79	NAVD88	1	Z	
1975-07-11	D	72019	661.21			1	Z	
1975-07-12	D	62610		2834.22	NGVD29	1	Z	
1975-07-12	D	62611		2835.78	NAVD88	1	Z	
1975-07-12	D	72019	661.22			1	Z	
1975-07-13	D	62610		2834.15	NGVD29	1	Z	
1975-07-13	D	62611		2835.71	NAVD88	1	Z	
1975-07-13	D	72019	661.29			1	Z	
1975-07-14	D	62610		2834.10	NGVD29	1	Z	
1975-07-14	D	62611		2835.66	NAVD88	1	Z	
1975-07-14	D	72019	661.34			1	Z	
1975-07-15	D	62610		2833.99	NGVD29	1	Z	
1975-07-15	D	62611		2835.55	NAVD88	1	Z	
1975-07-15	D	72019	661.45			1	Z	
1975-07-16	D	62610		2833.93	NGVD29	1	Z	
1975-07-16	D	62611		2835.49	NAVD88	1	Z	
1975-07-16	D	72019	661.51			1	Z	
1975-07-17	D	62610		2833.88	NGVD29	1	Z	
1975-07-17	D	62611		2835.44	NAVD88	1	Z	
1975-07-17	D	72019	661.56			1	Z	

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 Month
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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	?

New Mexico NFHL Data



July 25, 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 America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-17260-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Lizard Pot Fed Com (07/07/22)

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

Attn: Ashton Thielke

JKramer

Authorized for release by:
7/26/2022 10:33:21 AM

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

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

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

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Laboratory Job ID: 880-17260-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Job ID: 880-17260-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-17260-1

Receipt
The samples were received on 7/22/2022 9:34 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 1.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-30361 and analytical batch 880-30473 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-30350 and analytical batch 880-30483 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-30401 and 880-30401 and analytical batch 880-30488 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-1
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:06	07/24/22 20:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:06	07/24/22 20:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:06	07/24/22 20:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/22 10:06	07/24/22 20:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:06	07/24/22 20:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/22 10:06	07/24/22 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*07/22/22 10:06*	*07/24/22 20:47*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/22/22 10:06*	*07/24/22 20:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 12:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 12:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*07/25/22 08:42*	*07/25/22 12:08*	*1*
o-Terphenyl	*95*		*70 - 130*	*07/25/22 08:42*	*07/25/22 12:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U F1	5.02		mg/Kg			07/25/22 03:34	1

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

Lab Sample ID: 880-17260-2
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 21:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/22/22 10:06*	*07/24/22 21:07*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*07/22/22 10:06*	*07/24/22 21:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-2
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 13:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 13:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*07/25/22 08:42*	*07/25/22 13:57*	*1*
o-Terphenyl	*89*		*70 - 130*	*07/25/22 08:42*	*07/25/22 13:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.0**		5.00		mg/Kg			07/25/22 03:58	1

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

Lab Sample ID: 880-17260-3
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 21:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 21:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 21:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 10:06	07/24/22 21:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 21:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 10:06	07/24/22 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*07/22/22 10:06*	*07/24/22 21:28*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*07/22/22 10:06*	*07/24/22 21:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 14:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 14:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-3
Date Collected: 07/21/22 00:00
Matrix: Solid
Date Received: 07/22/22 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/25/22 08:42*	*07/25/22 14:18*	*1*
o-Terphenyl	*90*		*70 - 130*	*07/25/22 08:42*	*07/25/22 14:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.53**		5.00		mg/Kg			07/25/22 04:06	1

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

Lab Sample ID: 880-17260-4
Date Collected: 07/21/22 00:00
Matrix: Solid
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/22 10:06	07/24/22 21:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 21:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/22 10:06	07/24/22 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/22/22 10:06*	*07/24/22 21:48*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/22/22 10:06*	*07/24/22 21:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 14:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 14:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*07/25/22 08:42*	*07/25/22 14:40*	*1*
o-Terphenyl	*86*		*70 - 130*	*07/25/22 08:42*	*07/25/22 14:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.1**		5.05		mg/Kg			07/25/22 04:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-5
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 22:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/22/22 10:06*	*07/24/22 22:08*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*07/22/22 10:06*	*07/24/22 22:08*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/25/22 08:42*	*07/25/22 15:01*	*1*
o-Terphenyl	*115*		*70 - 130*	*07/25/22 08:42*	*07/25/22 15:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**619**		4.95		mg/Kg			07/25/22 04:21	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17260-6
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 22:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 22:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 22:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 10:06	07/24/22 22:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 22:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 10:06	07/24/22 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/22/22 10:06*	*07/24/22 22:29*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/22/22 10:06*	*07/24/22 22:29*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17260-6
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*07/25/22 08:42*	*07/25/22 15:22*	*1*
o-Terphenyl	*90*		*70 - 130*	*07/25/22 08:42*	*07/25/22 15:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**706**		5.03		mg/Kg			07/25/22 04:45	1

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17260-7
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 22:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*07/22/22 10:06*	*07/24/22 22:49*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/22/22 10:06*	*07/24/22 22:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17260-7
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/25/22 08:42*	*07/25/22 15:44*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/25/22 08:42*	*07/25/22 15:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**775**		5.04		mg/Kg			07/25/22 04:53	1

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17260-8
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 23:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 23:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 23:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 10:06	07/24/22 23:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:06	07/24/22 23:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 10:06	07/24/22 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/22/22 10:06*	*07/24/22 23:10*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*07/22/22 10:06*	*07/24/22 23:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 16:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 16:05	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*07/25/22 08:42*	*07/25/22 16:05*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/25/22 08:42*	*07/25/22 16:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**737**		4.99		mg/Kg			07/25/22 05:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-17260-9
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 10:06	07/24/22 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/22/22 10:06*	*07/24/22 23:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*07/22/22 10:06*	*07/24/22 23:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*07/25/22 08:42*	*07/25/22 16:48*	*1*
o-Terphenyl	*98*		*70 - 130*	*07/25/22 08:42*	*07/25/22 16:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**742**		4.96		mg/Kg			07/25/22 05:08	1

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

Lab Sample ID: 880-17260-10
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/22 10:06	07/24/22 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 23:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/22 10:06	07/24/22 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/22/22 10:06*	*07/24/22 23:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*07/22/22 10:06*	*07/24/22 23:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-10
Date Collected: 07/21/22 00:00
Matrix: Solid
Date Received: 07/22/22 09:34

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*07/25/22 08:42*	*07/25/22 17:09*	*1*
o-Terphenyl	*97*		*70 - 130*	*07/25/22 08:42*	*07/25/22 17:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**700**		4.98		mg/Kg			07/25/22 05:16	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17260-11
Date Collected: 07/21/22 00:00
Matrix: Solid
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/22/22 10:12	07/22/22 18:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/22/22 10:12	07/22/22 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/22/22 10:12*	*07/22/22 18:07*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*07/22/22 10:12*	*07/22/22 18:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 17:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 17:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17260-11
Date Collected: 07/21/22 00:00
Matrix: Solid
Date Received: 07/22/22 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*07/25/22 08:42*	*07/25/22 17:31*	*1*
o-Terphenyl	*107*		*70 - 130*	*07/25/22 08:42*	*07/25/22 17:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**897**	**F1**	4.99		mg/Kg			07/25/22 05:24	1

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-17260-12
Date Collected: 07/21/22 00:00
Matrix: Solid
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:12	07/22/22 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:12	07/22/22 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:12	07/22/22 18:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 10:12	07/22/22 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:12	07/22/22 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 10:12	07/22/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/22/22 10:12*	*07/22/22 18:27*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*07/22/22 10:12*	*07/22/22 18:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 17:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 17:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/25/22 08:42*	*07/25/22 17:52*	*1*
o-Terphenyl	*94*		*70 - 130*	*07/25/22 08:42*	*07/25/22 17:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**348**		5.04		mg/Kg			07/25/22 05:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17260-13
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/22/22 10:12	07/22/22 18:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:12	07/22/22 18:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/22/22 10:12	07/22/22 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*07/22/22 10:12*	*07/22/22 18:48*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/22/22 10:12*	*07/22/22 18:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 18:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 18:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*07/25/22 08:42*	*07/25/22 18:14*	*1*
o-Terphenyl	*96*		*70 - 130*	*07/25/22 08:42*	*07/25/22 18:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.4**		5.05		mg/Kg			07/25/22 05:56	1

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17260-14
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/22/22 10:12	07/22/22 19:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/22/22 10:12	07/22/22 19:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/22/22 10:12	07/22/22 19:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/22/22 10:12	07/22/22 19:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/22/22 10:12	07/22/22 19:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/22/22 10:12	07/22/22 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/22/22 10:12*	*07/22/22 19:08*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*07/22/22 10:12*	*07/22/22 19:08*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17260-14
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*07/25/22 08:42*	*07/25/22 18:36*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/25/22 08:42*	*07/25/22 18:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**527**		5.03		mg/Kg			07/25/22 06:19	1

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

Lab Sample ID: 880-17260-15
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F2 F1	0.00201		mg/Kg		07/22/22 10:18	07/24/22 01:45	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		07/22/22 10:18	07/24/22 01:45	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		07/22/22 10:18	07/24/22 01:45	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		07/22/22 10:18	07/24/22 01:45	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		07/22/22 10:18	07/24/22 01:45	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		07/22/22 10:18	07/24/22 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/22/22 10:18*	*07/24/22 01:45*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*07/22/22 10:18*	*07/24/22 01:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 18:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 18:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-15
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*07/25/22 08:42*	*07/25/22 18:57*	*1*
o-Terphenyl	*96*		*70 - 130*	*07/25/22 08:42*	*07/25/22 18:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**555**		5.03		mg/Kg			07/25/22 06:27	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17260-16
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:18	07/24/22 02:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:18	07/24/22 02:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:18	07/24/22 02:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/22/22 10:18	07/24/22 02:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/22/22 10:18	07/24/22 02:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/22/22 10:18	07/24/22 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*07/22/22 10:18*	*07/24/22 02:05*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*07/22/22 10:18*	*07/24/22 02:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 19:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 19:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*07/25/22 08:42*	*07/25/22 19:19*	*1*
o-Terphenyl	*81*		*70 - 130*	*07/25/22 08:42*	*07/25/22 19:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**228**		5.01		mg/Kg			07/25/22 06:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-17260-17
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 10:18	07/24/22 02:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 10:18	07/24/22 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*07/22/22 10:18*	*07/24/22 02:26*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*07/22/22 10:18*	*07/24/22 02:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 19:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 19:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/25/22 08:42	07/25/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*07/25/22 08:42*	*07/25/22 19:41*	*1*
o-Terphenyl	*93*		*70 - 130*	*07/25/22 08:42*	*07/25/22 19:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.7**		5.02		mg/Kg			07/25/22 06:43	1

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-17260-18
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/22/22 10:18	07/24/22 02:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/22/22 10:18	07/24/22 02:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/22/22 10:18	07/24/22 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/22/22 10:18*	*07/24/22 02:46*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*07/22/22 10:18*	*07/24/22 02:46*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-3 (3.5')
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Lab Sample ID: 880-17260-18
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/25/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/25/22 08:42	07/25/22 20:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/25/22 08:42	07/25/22 20:03	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/25/22 08:42	07/25/22 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*07/25/22 08:42*	*07/25/22 20:03*	*1*
o-Terphenyl	*86*		*70 - 130*	*07/25/22 08:42*	*07/25/22 20:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**99.4**		4.98		mg/Kg			07/25/22 06:50	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-17242-A-1-C MS	Matrix Spike	104	98
880-17242-A-1-D MSD	Matrix Spike Duplicate	106	97
880-17259-A-1-A MS	Matrix Spike	109	101
880-17259-A-1-B MSD	Matrix Spike Duplicate	104	100
880-17260-1	H-1 (0-0.5')	110	100
880-17260-2	H-2 (0-0.5')	100	99
880-17260-3	H-3 (0-0.5')	92	107
880-17260-4	H-4 (0-0.5')	109	104
880-17260-5	S-1 (0-1')	108	107
880-17260-6	S-1 (1.5')	95	100
880-17260-7	S-1 (2.5')	105	96
880-17260-8	S-1 (3.5')	101	97
880-17260-9	S-1 (4.5')	108	103
880-17260-10	S-2 (0-1')	100	100
880-17260-11	S-2 (1.5')	101	85
880-17260-12	S-2 (2.5')	97	82
880-17260-13	S-2 (3.5')	108	92
880-17260-14	S-2 (4.5')	106	90
880-17260-15	S-3 (0-1')	98	76
880-17260-15 MS	S-3 (0-1')	114	94
880-17260-15 MSD	S-3 (0-1')	129	84
880-17260-16	S-3 (1.5')	115	77
880-17260-17	S-3 (2.5')	113	75
880-17260-18	S-3 (3.5')	95	80
LCS 880-30328/1-A	Lab Control Sample	105	95
LCS 880-30350/1-A	Lab Control Sample	97	98
LCS 880-30361/1-A	Lab Control Sample	128	98
LCSD 880-30328/2-A	Lab Control Sample Dup	103	96
LCSD 880-30350/2-A	Lab Control Sample Dup	103	101
LCSD 880-30361/2-A	Lab Control Sample Dup	117	99
MB 880-30328/5-A	Method Blank	97	86
MB 880-30350/5-A	Method Blank	97	104
MB 880-30361/5-A	Method Blank	104	85
MB 880-30426/5-A	Method Blank	94	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-17260-1	H-1 (0-0.5')	92	95
880-17260-1 MS	H-1 (0-0.5')	75	72
880-17260-1 MSD	H-1 (0-0.5')	75	73
880-17260-2	H-2 (0-0.5')	87	89
880-17260-3	H-3 (0-0.5')	88	90

Surrogate Summary

Client: Carmona Resources
Job ID: 880-17260-1
Project/Site: Lizard Pot Fed Com (07/07/22)
SDG: Lea Co, NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-17260-4	H-4 (0-0.5')	81	86								
880-17260-5	S-1 (0-1')	108	115								
880-17260-6	S-1 (1.5')	88	90								
880-17260-7	S-1 (2.5')	90	93								
880-17260-8	S-1 (3.5')	93	97								
880-17260-9	S-1 (4.5')	94	98								
880-17260-10	S-2 (0-1')	91	97								
880-17260-11	S-2 (1.5')	107	107								
880-17260-12	S-2 (2.5')	90	94								
880-17260-13	S-2 (3.5')	91	96								
880-17260-14	S-2 (4.5')	89	93								
880-17260-15	S-3 (0-1')	90	96								
880-17260-16	S-3 (1.5')	78	81								
880-17260-17	S-3 (2.5')	94	93								
880-17260-18	S-3 (3.5')	85	86								
LCS 880-30504/2-A	Lab Control Sample	151 S1+	143 S1+								
LCSD 880-30504/3-A	Lab Control Sample Dup	123	115								
MB 880-30504/1-A	Method Blank	104	113								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30328/5-A
Matrix: Solid
Analysis Batch: 30325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 08:50	07/22/22 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 08:50	07/22/22 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 08:50	07/22/22 11:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/22 08:50	07/22/22 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 08:50	07/22/22 11:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/22 08:50	07/22/22 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/22/22 08:50*	*07/22/22 11:14*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*07/22/22 08:50*	*07/22/22 11:14*	*1*

Lab Sample ID: LCS 880-30328/1-A
Matrix: Solid
Analysis Batch: 30325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09966		mg/Kg		100	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1075		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1165		mg/Kg		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-30328/2-A
Matrix: Solid
Analysis Batch: 30325

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30328

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09516		mg/Kg		95	70 - 130	5	35
Toluene	0.100	0.09392		mg/Kg		94	70 - 130	8	35
Ethylbenzene	0.100	0.09809		mg/Kg		98	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1951		mg/Kg		98	70 - 130	10	35
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-17242-A-1-C MS
Matrix: Solid
Analysis Batch: 30325

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 30328

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0994	0.08938		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.0994	0.08827		mg/Kg		89	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17242-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30325 — **Prep Batch: 30328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0994	0.09139		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1822		mg/Kg		92	70 - 130
o-Xylene	<0.00201	U	0.0994	0.09904		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-17242-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30325 — **Prep Batch: 30328**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09495		mg/Kg		95	70 - 130	6	35
Toluene	<0.00201	U	0.0998	0.09224		mg/Kg		92	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0998	0.09556		mg/Kg		96	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1905		mg/Kg		95	70 - 130	4	35
o-Xylene	<0.00201	U	0.0998	0.1037		mg/Kg		104	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-30350/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30483 — **Prep Batch: 30350**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 15:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 15:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 15:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/22 10:06	07/24/22 15:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:06	07/24/22 15:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/22 10:06	07/24/22 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/22/22 10:06*	*07/24/22 15:23*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*07/22/22 10:06*	*07/24/22 15:23*	*1*

Lab Sample ID: LCS 880-30350/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30483 — **Prep Batch: 30350**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08487		mg/Kg		85	70 - 130
Toluene	0.100	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.08682		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-30350/1-A
Matrix: Solid
Analysis Batch: 30483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30350

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1030		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-30350/2-A
Matrix: Solid
Analysis Batch: 30483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30350

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09882		mg/Kg		99	70 - 130	15	35
Toluene			0.100	0.1067		mg/Kg		107	70 - 130	6	35
Ethylbenzene			0.100	0.09188		mg/Kg		92	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1862		mg/Kg		93	70 - 130	5	35
o-Xylene			0.100	0.1097		mg/Kg		110	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-17259-A-1-A MS
Matrix: Solid
Analysis Batch: 30483

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 30350

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.0992	0.06797	F1	mg/Kg		68	70 - 130		
Toluene	<0.00201	U	0.0992	0.07543		mg/Kg		76	70 - 130		
Ethylbenzene	<0.00201	U F1	0.0992	0.06347	F1	mg/Kg		63	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1307	F1	mg/Kg		65	70 - 130		
o-Xylene	<0.00201	U	0.0992	0.07841		mg/Kg		79	70 - 130		

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

Lab Sample ID: 880-17259-A-1-B MSD
Matrix: Solid
Analysis Batch: 30483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 30350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0994	0.07726		mg/Kg		77	70 - 130	13	35
Toluene	<0.00201	U	0.0994	0.08434		mg/Kg		85	70 - 130	11	35
Ethylbenzene	<0.00201	U F1	0.0994	0.07131		mg/Kg		70	70 - 130	12	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1455		mg/Kg		72	70 - 130	11	35
o-Xylene	<0.00201	U	0.0994	0.08518		mg/Kg		86	70 - 130	8	35

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17259-A-1-B MSD
Matrix: Solid
Analysis Batch: 30483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 30350

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-30361/5-A
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:18	07/24/22 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:18	07/24/22 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:18	07/24/22 01:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/22 10:18	07/24/22 01:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 10:18	07/24/22 01:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/22 10:18	07/24/22 01:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/22/22 10:18	07/24/22 01:23	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/22/22 10:18	07/24/22 01:23	1

Lab Sample ID: LCS 880-30361/1-A
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30361

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09697		mg/Kg		97	70 - 130		
Toluene			0.100	0.1018		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1105		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.2303		mg/Kg		115	70 - 130		
o-Xylene			0.100	0.1290		mg/Kg		129	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-30361/2-A
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30361

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07948		mg/Kg		79	70 - 130	20	35
Toluene			0.100	0.08370		mg/Kg		84	70 - 130	20	35
Ethylbenzene			0.100	0.09040		mg/Kg		90	70 - 130	20	35
m-Xylene & p-Xylene			0.200	0.1865		mg/Kg		93	70 - 130	21	35
o-Xylene			0.100	0.1072		mg/Kg		107	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-30361/2-A
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 30361

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

Lab Sample ID: 880-17260-15 MS
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: S-3 (0-1')
Prep Type: Total/NA
Prep Batch: 30361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.0998	0.07498		mg/Kg		75	70 - 130
Toluene	<0.00201	U F1	0.0998	0.07676		mg/Kg		75	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.07639		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1541		mg/Kg		76	70 - 130
o-Xylene	<0.00201	U F1	0.0998	0.08436		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-17260-15 MSD
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: S-3 (0-1')
Prep Type: Total/NA
Prep Batch: 30361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.100	0.04516	F2 F1	mg/Kg		45	70 - 130	50	35
Toluene	<0.00201	U F1	0.100	0.05845	F1	mg/Kg		57	70 - 130	27	35
Ethylbenzene	<0.00201	U F1	0.100	0.06139	F1	mg/Kg		61	70 - 130	22	35
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.1216	F1	mg/Kg		60	70 - 130	24	35
o-Xylene	<0.00201	U F1	0.100	0.06840	F1	mg/Kg		68	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: MB 880-30426/5-A
Matrix: Solid
Analysis Batch: 30473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/22/22 15:06	07/23/22 14:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/22/22 15:06	07/23/22 14:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/22/22 15:06	07/23/22 14:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/22/22 15:06	07/23/22 14:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/22/22 15:06	07/23/22 14:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/22/22 15:06	07/23/22 14:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/22/22 15:06	07/23/22 14:49	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/22/22 15:06	07/23/22 14:49	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-30504/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30510 — **Prep Batch: 30504**

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		07/25/22 08:42	07/25/22 11:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 11:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/25/22 08:42	07/25/22 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*07/25/22 08:42*	*07/25/22 11:04*	*1*
o-Terphenyl	*113*		*70 - 130*	*07/25/22 08:42*	*07/25/22 11:04*	*1*

Lab Sample ID: LCS 880-30504/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30510 — **Prep Batch: 30504**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1187		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1182		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*151*	*S1+*	*70 - 130*
o-Terphenyl	*143*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-30504/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30510 — **Prep Batch: 30504**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		104	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	991.4		mg/Kg		99	70 - 130	18	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*123*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 880-17260-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30510 — **Prep Batch: 30504**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	994.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	737.8		mg/Kg		72	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30510 — **Prep Batch: 30504**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 880-17260-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30510 — **Prep Batch: 30504**

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	863.7		mg/Kg		86	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	754.3		mg/Kg		74	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	73		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30401/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30488

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/25/22 03:11	1

Lab Sample ID: LCS 880-30401/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30488

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.9		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-30401/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30488

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	269.8		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-17260-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 30488

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<5.02	U F1	251	272.6		mg/Kg		107	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17260-1 MSD
Matrix: Solid
Analysis Batch: 30488

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U F1	251	284.3	F1	mg/Kg		112	90 - 110	4	20

Lab Sample ID: 880-17260-11 MS
Matrix: Solid
Analysis Batch: 30488

Client Sample ID: S-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	897	F1	250	1110	F1	mg/Kg		85	90 - 110

Lab Sample ID: 880-17260-11 MSD
Matrix: Solid
Analysis Batch: 30488

Client Sample ID: S-2 (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	897	F1	250	1109	F1	mg/Kg		85	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 30325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-11	S-2 (1.5')	Total/NA	Solid	8021B	30328
880-17260-12	S-2 (2.5')	Total/NA	Solid	8021B	30328
880-17260-13	S-2 (3.5')	Total/NA	Solid	8021B	30328
880-17260-14	S-2 (4.5')	Total/NA	Solid	8021B	30328
MB 880-30328/5-A	Method Blank	Total/NA	Solid	8021B	30328
LCS 880-30328/1-A	Lab Control Sample	Total/NA	Solid	8021B	30328
LCSD 880-30328/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30328
880-17242-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	30328
880-17242-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30328

Prep Batch: 30328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-11	S-2 (1.5')	Total/NA	Solid	5035	
880-17260-12	S-2 (2.5')	Total/NA	Solid	5035	
880-17260-13	S-2 (3.5')	Total/NA	Solid	5035	
880-17260-14	S-2 (4.5')	Total/NA	Solid	5035	
MB 880-30328/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30328/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30328/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17242-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17242-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 30350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17260-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17260-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-17260-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-17260-5	S-1 (0-1')	Total/NA	Solid	5035	
880-17260-6	S-1 (1.5')	Total/NA	Solid	5035	
880-17260-7	S-1 (2.5')	Total/NA	Solid	5035	
880-17260-8	S-1 (3.5')	Total/NA	Solid	5035	
880-17260-9	S-1 (4.5')	Total/NA	Solid	5035	
880-17260-10	S-2 (0-1')	Total/NA	Solid	5035	
MB 880-30350/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30350/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30350/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17259-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-17259-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 30361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-15	S-3 (0-1')	Total/NA	Solid	5035	
880-17260-16	S-3 (1.5')	Total/NA	Solid	5035	
880-17260-17	S-3 (2.5')	Total/NA	Solid	5035	
880-17260-18	S-3 (3.5')	Total/NA	Solid	5035	
MB 880-30361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17260-15 MS	S-3 (0-1')	Total/NA	Solid	5035	
880-17260-15 MSD	S-3 (0-1')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 30426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-30426/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 30473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-15	S-3 (0-1')	Total/NA	Solid	8021B	30361
880-17260-16	S-3 (1.5')	Total/NA	Solid	8021B	30361
880-17260-17	S-3 (2.5')	Total/NA	Solid	8021B	30361
880-17260-18	S-3 (3.5')	Total/NA	Solid	8021B	30361
MB 880-30361/5-A	Method Blank	Total/NA	Solid	8021B	30361
MB 880-30426/5-A	Method Blank	Total/NA	Solid	8021B	30426
LCS 880-30361/1-A	Lab Control Sample	Total/NA	Solid	8021B	30361
LCSD 880-30361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30361
880-17260-15 MS	S-3 (0-1')	Total/NA	Solid	8021B	30361
880-17260-15 MSD	S-3 (0-1')	Total/NA	Solid	8021B	30361

Analysis Batch: 30483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Total/NA	Solid	8021B	30350
880-17260-2	H-2 (0-0.5')	Total/NA	Solid	8021B	30350
880-17260-3	H-3 (0-0.5')	Total/NA	Solid	8021B	30350
880-17260-4	H-4 (0-0.5')	Total/NA	Solid	8021B	30350
880-17260-5	S-1 (0-1')	Total/NA	Solid	8021B	30350
880-17260-6	S-1 (1.5')	Total/NA	Solid	8021B	30350
880-17260-7	S-1 (2.5')	Total/NA	Solid	8021B	30350
880-17260-8	S-1 (3.5')	Total/NA	Solid	8021B	30350
880-17260-9	S-1 (4.5')	Total/NA	Solid	8021B	30350
880-17260-10	S-2 (0-1')	Total/NA	Solid	8021B	30350
MB 880-30350/5-A	Method Blank	Total/NA	Solid	8021B	30350
LCS 880-30350/1-A	Lab Control Sample	Total/NA	Solid	8021B	30350
LCSD 880-30350/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30350
880-17259-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	30350
880-17259-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30350

Analysis Batch: 30532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17260-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17260-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17260-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17260-5	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-17260-6	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-17260-7	S-1 (2.5')	Total/NA	Solid	Total BTEX	
880-17260-8	S-1 (3.5')	Total/NA	Solid	Total BTEX	
880-17260-9	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-17260-10	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-17260-11	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-17260-12	S-2 (2.5')	Total/NA	Solid	Total BTEX	
880-17260-13	S-2 (3.5')	Total/NA	Solid	Total BTEX	
880-17260-14	S-2 (4.5')	Total/NA	Solid	Total BTEX	
880-17260-15	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-17260-16	S-3 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 30532 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-17	S-3 (2.5')	Total/NA	Solid	Total BTEX	
880-17260-18	S-3 (3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 30504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17260-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17260-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17260-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17260-5	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-17260-6	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-17260-7	S-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-17260-8	S-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-17260-9	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-17260-10	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-17260-11	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-17260-12	S-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-17260-13	S-2 (3.5')	Total/NA	Solid	8015NM Prep	
880-17260-14	S-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-17260-15	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-17260-16	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-17260-17	S-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-17260-18	S-3 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-30504/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30504/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17260-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17260-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	30504
880-17260-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	30504
880-17260-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	30504
880-17260-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	30504
880-17260-5	S-1 (0-1')	Total/NA	Solid	8015B NM	30504
880-17260-6	S-1 (1.5')	Total/NA	Solid	8015B NM	30504
880-17260-7	S-1 (2.5')	Total/NA	Solid	8015B NM	30504
880-17260-8	S-1 (3.5')	Total/NA	Solid	8015B NM	30504
880-17260-9	S-1 (4.5')	Total/NA	Solid	8015B NM	30504
880-17260-10	S-2 (0-1')	Total/NA	Solid	8015B NM	30504
880-17260-11	S-2 (1.5')	Total/NA	Solid	8015B NM	30504
880-17260-12	S-2 (2.5')	Total/NA	Solid	8015B NM	30504
880-17260-13	S-2 (3.5')	Total/NA	Solid	8015B NM	30504
880-17260-14	S-2 (4.5')	Total/NA	Solid	8015B NM	30504
880-17260-15	S-3 (0-1')	Total/NA	Solid	8015B NM	30504
880-17260-16	S-3 (1.5')	Total/NA	Solid	8015B NM	30504
880-17260-17	S-3 (2.5')	Total/NA	Solid	8015B NM	30504
880-17260-18	S-3 (3.5')	Total/NA	Solid	8015B NM	30504

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 30510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-30504/1-A	Method Blank	Total/NA	Solid	8015B NM	30504
LCS 880-30504/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30504
LCSD 880-30504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30504
880-17260-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	30504
880-17260-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	30504

Analysis Batch: 30634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17260-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17260-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17260-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-17260-5	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-17260-6	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-17260-7	S-1 (2.5')	Total/NA	Solid	8015 NM	
880-17260-8	S-1 (3.5')	Total/NA	Solid	8015 NM	
880-17260-9	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-17260-10	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-17260-11	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-17260-12	S-2 (2.5')	Total/NA	Solid	8015 NM	
880-17260-13	S-2 (3.5')	Total/NA	Solid	8015 NM	
880-17260-14	S-2 (4.5')	Total/NA	Solid	8015 NM	
880-17260-15	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-17260-16	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-17260-17	S-3 (2.5')	Total/NA	Solid	8015 NM	
880-17260-18	S-3 (3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17260-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-17260-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17260-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-17260-5	S-1 (0-1')	Soluble	Solid	DI Leach	
880-17260-6	S-1 (1.5')	Soluble	Solid	DI Leach	
880-17260-7	S-1 (2.5')	Soluble	Solid	DI Leach	
880-17260-8	S-1 (3.5')	Soluble	Solid	DI Leach	
880-17260-9	S-1 (4.5')	Soluble	Solid	DI Leach	
880-17260-10	S-2 (0-1')	Soluble	Solid	DI Leach	
880-17260-11	S-2 (1.5')	Soluble	Solid	DI Leach	
880-17260-12	S-2 (2.5')	Soluble	Solid	DI Leach	
880-17260-13	S-2 (3.5')	Soluble	Solid	DI Leach	
880-17260-14	S-2 (4.5')	Soluble	Solid	DI Leach	
880-17260-15	S-3 (0-1')	Soluble	Solid	DI Leach	
880-17260-16	S-3 (1.5')	Soluble	Solid	DI Leach	
880-17260-17	S-3 (2.5')	Soluble	Solid	DI Leach	
880-17260-18	S-3 (3.5')	Soluble	Solid	DI Leach	
MB 880-30401/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30401/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 30401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-30401/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17260-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17260-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17260-11 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-17260-11 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 30488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17260-1	H-1 (0-0.5')	Soluble	Solid	300.0	30401
880-17260-2	H-2 (0-0.5')	Soluble	Solid	300.0	30401
880-17260-3	H-3 (0-0.5')	Soluble	Solid	300.0	30401
880-17260-4	H-4 (0-0.5')	Soluble	Solid	300.0	30401
880-17260-5	S-1 (0-1')	Soluble	Solid	300.0	30401
880-17260-6	S-1 (1.5')	Soluble	Solid	300.0	30401
880-17260-7	S-1 (2.5')	Soluble	Solid	300.0	30401
880-17260-8	S-1 (3.5')	Soluble	Solid	300.0	30401
880-17260-9	S-1 (4.5')	Soluble	Solid	300.0	30401
880-17260-10	S-2 (0-1')	Soluble	Solid	300.0	30401
880-17260-11	S-2 (1.5')	Soluble	Solid	300.0	30401
880-17260-12	S-2 (2.5')	Soluble	Solid	300.0	30401
880-17260-13	S-2 (3.5')	Soluble	Solid	300.0	30401
880-17260-14	S-2 (4.5')	Soluble	Solid	300.0	30401
880-17260-15	S-3 (0-1')	Soluble	Solid	300.0	30401
880-17260-16	S-3 (1.5')	Soluble	Solid	300.0	30401
880-17260-17	S-3 (2.5')	Soluble	Solid	300.0	30401
880-17260-18	S-3 (3.5')	Soluble	Solid	300.0	30401
MB 880-30401/1-A	Method Blank	Soluble	Solid	300.0	30401
LCS 880-30401/2-A	Lab Control Sample	Soluble	Solid	300.0	30401
LCSD 880-30401/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30401
880-17260-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	30401
880-17260-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	30401
880-17260-11 MS	S-2 (1.5')	Soluble	Solid	300.0	30401
880-17260-11 MSD	S-2 (1.5')	Soluble	Solid	300.0	30401

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-1
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 20:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 12:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 03:34	CH	XEN MID

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

Lab Sample ID: 880-17260-2
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 21:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 13:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 03:58	CH	XEN MID

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

Lab Sample ID: 880-17260-3
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 21:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 14:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 04:06	CH	XEN MID

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

Lab Sample ID: 880-17260-4
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 21:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-17260-4
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 14:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 04:14	CH	XEN MID

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

Lab Sample ID: 880-17260-5
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 22:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 15:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 04:21	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17260-6
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 22:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 15:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 04:45	CH	XEN MID

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17260-7
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 22:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 15:44	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-17260-7
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 04:53	CH	XEN MID

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-17260-8
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 23:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 16:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 05:01	CH	XEN MID

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-17260-9
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 23:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 05:08	CH	XEN MID

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

Lab Sample ID: 880-17260-10
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30350	07/22/22 10:06	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30483	07/24/22 23:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 05:16	CH	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17260-11
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30328	07/22/22 10:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30325	07/22/22 18:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 17:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 05:24	CH	XEN MID

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-17260-12
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30328	07/22/22 10:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30325	07/22/22 18:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 17:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 05:48	CH	XEN MID

Client Sample ID: S-2 (3.5')

Lab Sample ID: 880-17260-13
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30328	07/22/22 10:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30325	07/22/22 18:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 18:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 05:56	CH	XEN MID

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17260-14
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	30328	07/22/22 10:12	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30325	07/22/22 19:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-17260-14
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 18:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 06:19	CH	XEN MID

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

Lab Sample ID: 880-17260-15
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	30361	07/22/22 10:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30473	07/24/22 01:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 18:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 06:27	CH	XEN MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17260-16
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30361	07/22/22 10:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30473	07/24/22 02:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 19:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 06:35	CH	XEN MID

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-17260-17
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30361	07/22/22 10:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30473	07/24/22 02:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 19:41	AJ	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2.5')

Lab Sample ID: 880-17260-17
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 06:43	CH	XEN MID

Client Sample ID: S-3 (3.5')

Lab Sample ID: 880-17260-18
Matrix: Solid
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 09:34

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	30361	07/22/22 10:18	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	30473	07/24/22 02:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			30532	07/25/22 09:41	SM	XEN MID
Total/NA	Analysis	8015 NM		1			30634	07/25/22 16:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30504	07/25/22 08:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30510	07/25/22 20:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30401	07/22/22 12:00	SMC	XEN MID
Soluble	Analysis	300.0		1			30488	07/25/22 06:50	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	OII Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07/07/22)

Job ID: 880-17260-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17260-1	H-1 (0-0.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-2	H-2 (0-0.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-3	H-3 (0-0.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-4	H-4 (0-0.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-5	S-1 (0-1')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-6	S-1 (1.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-7	S-1 (2.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-8	S-1 (3.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-9	S-1 (4.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-10	S-2 (0-1')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-11	S-2 (1.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-12	S-2 (2.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-13	S-2 (3.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-14	S-2 (4.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-15	S-3 (0-1')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-16	S-3 (1.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-17	S-3 (2.5')	Solid	07/21/22 00:00	07/22/22 09:34
880-17260-18	S-3 (3.5')	Solid	07/21/22 00:00	07/22/22 09:34

W

880-17260 Chain of Custody

Project Manager	Ashton Thielke	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address.	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving,NM 88256
Phone	432-813-6823	Email	jacqui harris@conocophillips.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Lizard Pot Fed Com (07 07 22)	Turn Around	
Project Number	1093	Routine ☒ Rush	
Project Location	Lea Co, NM	Due Date	72HR
Sampler's Name.	AT	TAT starts the day received by the lab, if received by 4 30pm	
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	+.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1-2
Total Containers.		Corrected Temperature	1-4

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-1 (0-0 5')	7/21/2022		X		Grab/	1		X	X	X		
H-2 (0-0 5')	7/21/2022		X		Grab/	1		X	X	X		
H-3 (0-0 5')	7/21/2022		X		Grab/	1		X	X	X		
H-4 (0-0 5')	7/21/2022		X		Grab/	1		X	X	X		
S-1 (0-1')	7/21/2022		X		Grab/	1		X	X	X		
S-1 (1 5')	7/21/2022		X		Grab/	1		X	X	X		
S-1 (2 5')	7/21/2022		X		Grab/	1		X	X	X		
S-1 (3 5)	7/21/2022		X		Grab/	1		X	X	X		
S-1 (4 5')	7/21/2022		X		Grab/	1		X	X	X		
S-2 (0-1')	7/21/2022		X		Grab/	1		X	X	X		

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/26/22 0934		

Loc: 880
17260
Work Order No: _ ___

Page 2 of 2

Project Manager	Ashton Thielke	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name.	COG
Address.	310 W Wall St Ste 415	Address.	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving,NM 88256
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Lizard Pot Fed Com (07 07 22)	Turn Around	
Project Number	1093	Routine ☒ Rush	
Project Location	Lea Co, NM	Due Date	72HR
Sampler's Name:	AT	TAT starts the day received by the lab, if received by 4 30pm	
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		

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-2 (1 5')	7/21/2022		X		Grab/	1			X	X	X		
S-2 (2 5')	7/21/2022		X		Grab/	1			X	X	X		
S-2 (3 5')	7/21/2022		X		Grab/	1			X	X	X		
S-2 (4 5')	7/21/2022		X		Grab/	1			X	X	X		
S-3 (0-1')	7/21/2022		X		Grab/	1			X	X	X		
S-3 (1 5')	7/21/2022		X		Grab/	1			X	X	X		
S-3 (2 5')	7/21/2022		X		Grab/	1			X	X	X		
S-3 (3 5')	7/21/2022		X		Grab/	1			X	X	X		

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	7/26/22 0904		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-17260-1
SDG Number: Lea Co, NM

Login Number: 17260
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 | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18634-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Lizard Pot Fed Com (07.07.23)

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

Attn: Conner Moehring

JKramer

Authorized for release by:
9/6/2022 9:11:56 AM

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

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

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

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Qualifiers

GC 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.

GC Semi VOA

Qualifier	Qualifier Description
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: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Job ID: 880-18634-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-18634-1

Receipt
The samples were received on 8/30/2022 8:55 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 1.3°C

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (5')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 20:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 20:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 20:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/30/22 14:16	09/04/22 20:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 20:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/30/22 14:16	09/04/22 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 20:35*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/30/22 14:16*	*09/04/22 20:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 21:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 21:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*08/30/22 13:24*	*08/30/22 21:53*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/30/22 13:24*	*08/30/22 21:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.6**		5.05		mg/Kg			08/31/22 02:09	1

Client Sample ID: CS-2 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 21:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 21:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 21:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/30/22 14:16	09/04/22 21:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 21:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/30/22 14:16	09/04/22 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 21:02*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*08/30/22 14:16*	*09/04/22 21:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-2 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/30/22 13:24*	*08/30/22 22:56*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/30/22 13:24*	*08/30/22 22:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.66**		5.02		mg/Kg			08/31/22 02:36	1

Client Sample ID: CS-3 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 21:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 21:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 21:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/30/22 14:16	09/04/22 21:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 21:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/30/22 14:16	09/04/22 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 21:29*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/30/22 14:16*	*09/04/22 21:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/30/22 23:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/30/22 23:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-18634-3
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 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		08/30/22 13:24	08/30/22 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*08/30/22 13:24*	*08/30/22 23:16*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/30/22 13:24*	*08/30/22 23:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		5.03		mg/Kg			08/31/22 02:45	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-18634-4
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 21:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 21:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 21:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/04/22 21:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 21:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/04/22 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 21:56*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*08/30/22 14:16*	*09/04/22 21:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 23:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 23:37	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/30/22 13:24*	*08/30/22 23:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*08/30/22 13:24*	*08/30/22 23:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.7**		5.01		mg/Kg			08/31/22 02:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-5 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 22:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 22:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 22:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/30/22 14:16	09/04/22 22:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/04/22 22:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/30/22 14:16	09/04/22 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 22:22*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/30/22 14:16*	*09/04/22 22:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 23:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 23:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/30/22 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*08/30/22 13:24*	*08/30/22 23:57*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/30/22 13:24*	*08/30/22 23:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.38**		5.04		mg/Kg			08/31/22 03:04	1

Client Sample ID: CS-6 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 22:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 22:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 22:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/30/22 14:16	09/04/22 22:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/30/22 14:16	09/04/22 22:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/30/22 14:16	09/04/22 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 22:48*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/30/22 14:16*	*09/04/22 22:48*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-18634-6
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 00:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 00:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*08/30/22 13:24*	*08/31/22 00:18*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/30/22 13:24*	*08/31/22 00:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.88**		4.99		mg/Kg			08/31/22 03:32	1

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-18634-7
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 23:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 23:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 23:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/30/22 14:16	09/04/22 23:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 23:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/30/22 14:16	09/04/22 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 23:13*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/30/22 14:16*	*09/04/22 23:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 00:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-18634-7
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 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		08/30/22 13:24	08/31/22 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*08/30/22 13:24*	*08/31/22 00:38*	*1*
o-Terphenyl	*96*		*70 - 130*	*08/30/22 13:24*	*08/31/22 00:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		5.00		mg/Kg			08/31/22 03:41	1

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-18634-8
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 23:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 23:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 23:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/30/22 14:16	09/04/22 23:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/04/22 23:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/30/22 14:16	09/04/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/04/22 23:39*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/30/22 14:16*	*09/04/22 23:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/30/22 13:24	08/31/22 00:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/30/22 13:24	08/31/22 00:59	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/30/22 13:24	08/31/22 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*08/30/22 13:24*	*08/31/22 00:59*	*1*
o-Terphenyl	*97*		*70 - 130*	*08/30/22 13:24*	*08/31/22 00:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		5.00		mg/Kg			08/31/22 03:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-1 (5')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 00:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 00:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 00:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 00:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 00:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*1366*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 00:04*	*1*
1,4-Difluorobenzene (Surr)	*711*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 00:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/30/22 13:24*	*08/31/22 01:20*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/30/22 13:24*	*08/31/22 01:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.5**		5.02		mg/Kg			08/31/22 03:59	1

Client Sample ID: SW-2 (5')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 00:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 00:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 00:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/05/22 00:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 00:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/05/22 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 00:30*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/30/22 14:16*	*09/05/22 00:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-2 (5')

Lab Sample ID: 880-18634-10
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 01:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 01:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/30/22 13:24*	*08/31/22 01:40*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/30/22 13:24*	*08/31/22 01:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		4.98		mg/Kg			08/31/22 04:08	1

Client Sample ID: SW-3 (5')

Lab Sample ID: 880-18634-11
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 02:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 02:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 02:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 02:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 02:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 02:13*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*08/30/22 14:16*	*09/05/22 02:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 02:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-3 (5')

Lab Sample ID: 880-18634-11
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 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		08/30/22 13:24	08/31/22 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/30/22 13:24*	*08/31/22 02:22*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/30/22 13:24*	*08/31/22 02:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		4.97		mg/Kg			08/31/22 04:18	1

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-18634-12
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/05/22 02:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/05/22 02:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/05/22 02:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/30/22 14:16	09/05/22 02:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/30/22 14:16	09/05/22 02:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/30/22 14:16	09/05/22 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 02:39*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*08/30/22 14:16*	*09/05/22 02:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 02:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/30/22 13:24*	*08/31/22 02:43*	*1*
o-Terphenyl	*95*		*70 - 130*	*08/30/22 13:24*	*08/31/22 02:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		5.01		mg/Kg			08/31/22 04:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-5 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-13
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 03:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 03:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 03:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/30/22 14:16	09/05/22 03:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 03:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/30/22 14:16	09/05/22 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 03:05*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*08/30/22 14:16*	*09/05/22 03:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 03:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 03:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*08/30/22 13:24*	*08/31/22 03:04*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/30/22 13:24*	*08/31/22 03:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		5.03		mg/Kg			08/31/22 04:54	1

Client Sample ID: SW-6 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 03:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 03:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 03:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 03:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 03:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 03:30*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/30/22 14:16*	*09/05/22 03:30*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-18634-14
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 03:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 03:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*08/30/22 13:24*	*08/31/22 03:25*	*1*
o-Terphenyl	*90*		*70 - 130*	*08/30/22 13:24*	*08/31/22 03:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		5.00		mg/Kg			08/31/22 05:22	1

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-18634-15
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 03:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/05/22 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 03:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/05/22 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 03:56*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*08/30/22 14:16*	*09/05/22 03:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 03:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 03:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-18634-15
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 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		08/30/22 13:24	08/31/22 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*08/30/22 13:24*	*08/31/22 03:46*	*1*
o-Terphenyl	*98*		*70 - 130*	*08/30/22 13:24*	*08/31/22 03:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.4**		5.02		mg/Kg			08/31/22 05:31	1

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-18634-16
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 04:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 04:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 04:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/30/22 14:16	09/05/22 04:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/30/22 14:16	09/05/22 04:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/30/22 14:16	09/05/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 04:22*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/30/22 14:16*	*09/05/22 04:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 04:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*08/30/22 13:24*	*08/31/22 04:06*	*1*
o-Terphenyl	*92*		*70 - 130*	*08/30/22 13:24*	*08/31/22 04:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.3**		4.98		mg/Kg			08/31/22 05:41	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-9 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 04:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 04:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 04:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 04:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 04:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 04:48*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/30/22 14:16*	*09/05/22 04:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 04:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 04:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/31/22 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*08/30/22 13:24*	*08/31/22 04:27*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/30/22 13:24*	*08/31/22 04:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.16**		4.96		mg/Kg			08/31/22 05:50	1

Client Sample ID: SW-10 (2')

Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 05:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 05:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 05:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 05:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/30/22 14:16	09/05/22 05:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/30/22 14:16	09/05/22 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 05:14*	*1*
1,4-Difluorobenzene (Surr)	*8*	*S1-*	*70 - 130*	*08/30/22 14:16*	*09/05/22 05:14*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-18634-18
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 04:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 04:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/30/22 13:24	08/31/22 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*08/30/22 13:24*	*08/31/22 04:48*	*1*
o-Terphenyl	*100*		*70 - 130*	*08/30/22 13:24*	*08/31/22 04:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.2**		4.96		mg/Kg			08/31/22 05:59	1

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-18634-19
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/05/22 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/05/22 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/30/22 14:16	09/05/22 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*1381*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 05:39*	*1*
1,4-Difluorobenzene (Surr)	*796*	*S1+*	*70 - 130*	*08/30/22 14:16*	*09/05/22 05:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/05/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/31/22 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/30/22 13:24	08/31/22 05:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/30/22 13:24	08/31/22 05:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-18634-19
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/30/22 13:24	08/31/22 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*08/30/22 13:24*	*08/31/22 05:09*	*1*
o-Terphenyl	*94*		*70 - 130*	*08/30/22 13:24*	*08/31/22 05:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		4.97		mg/Kg			08/31/22 06:08	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-18634-1	CS-1 (5')	140 S1+	71
880-18634-1 MS	CS-1 (5')	151 S1+	79
880-18634-1 MSD	CS-1 (5')	143 S1+	80
880-18634-2	CS-2 (2')	146 S1+	75
880-18634-3	CS-3 (2')	150 S1+	78
880-18634-4	CS-4 (2')	142 S1+	71
880-18634-5	CS-5 (2')	139 S1+	77
880-18634-6	CS-6 (2')	161 S1+	78
880-18634-7	CS-7 (2')	147 S1+	77
880-18634-8	CS-8 (2')	158 S1+	83
880-18634-9	SW-1 (5')	1366 S1+	711 S1+
880-18634-10	SW-2 (5')	144 S1+	82
880-18634-11	SW-3 (5')	135 S1+	64 S1-
880-18634-12	SW-4 (3')	140 S1+	74
880-18634-13	SW-5 (2')	153 S1+	84
880-18634-14	SW-6 (2')	141 S1+	78
880-18634-15	SW-7 (2')	140 S1+	78
880-18634-16	SW-8 (2')	141 S1+	81
880-18634-17	SW-9 (2')	145 S1+	82
880-18634-18	SW-10 (2')	132 S1+	8 S1-
880-18634-19	SW-11 (2')	1381 S1+	796 S1+
LCS 880-33371/1-A	Lab Control Sample	136 S1+	72
LCSD 880-33371/2-A	Lab Control Sample Dup	144 S1+	77
MB 880-33371/5-A	Method Blank	103	69 S1-
MB 880-33696/39	Method Blank	93	79

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-18634-1	CS-1 (5')	99	97
880-18634-1 MS	CS-1 (5')	89	80
880-18634-1 MSD	CS-1 (5')	91	80
880-18634-2	CS-2 (2')	96	92
880-18634-3	CS-3 (2')	99	98
880-18634-4	CS-4 (2')	93	87
880-18634-5	CS-5 (2')	97	95
880-18634-6	CS-6 (2')	97	96
880-18634-7	CS-7 (2')	97	96
880-18634-8	CS-8 (2')	98	97
880-18634-9	SW-1 (5')	92	90
880-18634-10	SW-2 (5')	96	95
880-18634-11	SW-3 (5')	93	91
880-18634-12	SW-4 (3')	95	95

Surrogate Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-18634-13	SW-5 (2')	93	91								
880-18634-14	SW-6 (2')	92	90								
880-18634-15	SW-7 (2')	95	98								
880-18634-16	SW-8 (2')	94	92								
880-18634-17	SW-9 (2')	104	102								
880-18634-18	SW-10 (2')	99	100								
880-18634-19	SW-11 (2')	96	94								
LCS 880-33367/2-A	Lab Control Sample	91	100								
LCSD 880-33367/3-A	Lab Control Sample Dup	86	94								
MB 880-33367/1-A	Method Blank	90	88								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33371/5-A
Matrix: Solid
Analysis Batch: 33696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/30/22 14:16	09/04/22 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/22 14:16	09/04/22 20:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/30/22 14:16	09/04/22 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*08/30/22 14:16*	*09/04/22 20:08*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*08/30/22 14:16*	*09/04/22 20:08*	*1*

Lab Sample ID: LCS 880-33371/1-A
Matrix: Solid
Analysis Batch: 33696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1178		mg/Kg		118	70 - 130
Toluene	0.100	0.1161		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2187		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1241		mg/Kg		124	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*

Lab Sample ID: LCSD 880-33371/2-A
Matrix: Solid
Analysis Batch: 33696

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33371

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1117		mg/Kg		112	70 - 130	5	35
Toluene	0.100	0.1086		mg/Kg		109	70 - 130	7	35
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1991		mg/Kg		100	70 - 130	9	35
o-Xylene	0.100	0.1133		mg/Kg		113	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

Lab Sample ID: 880-18634-1 MS
Matrix: Solid
Analysis Batch: 33696

Client Sample ID: CS-1 (5')
Prep Type: Total/NA
Prep Batch: 33371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0994	0.1125		mg/Kg		113	70 - 130
Toluene	<0.00201	U	0.0994	0.1108		mg/Kg		111	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18634-1 MS
Matrix: Solid
Analysis Batch: 33696

Client Sample ID: CS-1 (5')
Prep Type: Total/NA
Prep Batch: 33371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0994	0.1018		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2032		mg/Kg		102	70 - 130
o-Xylene	<0.00201	U	0.0994	0.1167		mg/Kg		117	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-18634-1 MSD
Matrix: Solid
Analysis Batch: 33696

Client Sample ID: CS-1 (5')
Prep Type: Total/NA
Prep Batch: 33371

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1161		mg/Kg		117	70 - 130	3	35
Toluene	<0.00201	U	0.0996	0.1122		mg/Kg		113	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0996	0.1039		mg/Kg		104	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2068		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.00201	U	0.0996	0.1157		mg/Kg		116	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Lab Sample ID: MB 880-33696/39
Matrix: Solid
Analysis Batch: 33696

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			09/04/22 06:19	1
Toluene	<0.00200	U	0.00200		mg/Kg			09/04/22 06:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			09/04/22 06:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			09/04/22 06:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			09/04/22 06:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			09/04/22 06:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*09/04/22 06:19*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*		*09/04/22 06:19*	*1*

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

Lab Sample ID: MB 880-33367/1-A
Matrix: Solid
Analysis Batch: 33309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33367

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		08/30/22 13:24	08/30/22 20:50	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-33367/1-A
Matrix: Solid
Analysis Batch: 33309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/30/22 20:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/22 13:24	08/30/22 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*08/30/22 13:24*	*08/30/22 20:50*	*1*
o-Terphenyl	*88*		*70 - 130*	*08/30/22 13:24*	*08/30/22 20:50*	*1*

Lab Sample ID: LCS 880-33367/2-A
Matrix: Solid
Analysis Batch: 33309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	988.7		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	781.6		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-33367/3-A
Matrix: Solid
Analysis Batch: 33309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33367

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	966.1		mg/Kg		97	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	775.7		mg/Kg		78	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: 880-18634-1 MS
Matrix: Solid
Analysis Batch: 33309

Client Sample ID: CS-1 (5')
Prep Type: Total/NA
Prep Batch: 33367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1016		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	743.2		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-18634-1 MSD — **Client Sample ID: CS-1 (5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 33309 — **Prep Batch: 33367**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1043		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	756.1		mg/Kg		73	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33325/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/31/22 01:41	1

Lab Sample ID: LCS 880-33325/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.1		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-33325/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-18634-1 MS — **Client Sample ID: CS-1 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11.6		253	280.8		mg/Kg		107	90 - 110

Lab Sample ID: 880-18634-1 MSD — **Client Sample ID: CS-1 (5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 33365

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11.6		253	280.6		mg/Kg		107	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-18634-11 MS
Matrix: Solid
Analysis Batch: 33365

Client Sample ID: SW-3 (5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	10.3		249	277.7		mg/Kg		108	90 - 110		

Lab Sample ID: 880-18634-11 MSD
Matrix: Solid
Analysis Batch: 33365

Client Sample ID: SW-3 (5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.3		249	278.2		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 33371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Total/NA	Solid	5035	
880-18634-2	CS-2 (2')	Total/NA	Solid	5035	
880-18634-3	CS-3 (2')	Total/NA	Solid	5035	
880-18634-4	CS-4 (2')	Total/NA	Solid	5035	
880-18634-5	CS-5 (2')	Total/NA	Solid	5035	
880-18634-6	CS-6 (2')	Total/NA	Solid	5035	
880-18634-7	CS-7 (2')	Total/NA	Solid	5035	
880-18634-8	CS-8 (2')	Total/NA	Solid	5035	
880-18634-9	SW-1 (5')	Total/NA	Solid	5035	
880-18634-10	SW-2 (5')	Total/NA	Solid	5035	
880-18634-11	SW-3 (5')	Total/NA	Solid	5035	
880-18634-12	SW-4 (3')	Total/NA	Solid	5035	
880-18634-13	SW-5 (2')	Total/NA	Solid	5035	
880-18634-14	SW-6 (2')	Total/NA	Solid	5035	
880-18634-15	SW-7 (2')	Total/NA	Solid	5035	
880-18634-16	SW-8 (2')	Total/NA	Solid	5035	
880-18634-17	SW-9 (2')	Total/NA	Solid	5035	
880-18634-18	SW-10 (2')	Total/NA	Solid	5035	
880-18634-19	SW-11 (2')	Total/NA	Solid	5035	
MB 880-33371/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33371/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33371/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18634-1 MS	CS-1 (5')	Total/NA	Solid	5035	
880-18634-1 MSD	CS-1 (5')	Total/NA	Solid	5035	

Analysis Batch: 33696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Total/NA	Solid	8021B	33371
880-18634-2	CS-2 (2')	Total/NA	Solid	8021B	33371
880-18634-3	CS-3 (2')	Total/NA	Solid	8021B	33371
880-18634-4	CS-4 (2')	Total/NA	Solid	8021B	33371
880-18634-5	CS-5 (2')	Total/NA	Solid	8021B	33371
880-18634-6	CS-6 (2')	Total/NA	Solid	8021B	33371
880-18634-7	CS-7 (2')	Total/NA	Solid	8021B	33371
880-18634-8	CS-8 (2')	Total/NA	Solid	8021B	33371
880-18634-9	SW-1 (5')	Total/NA	Solid	8021B	33371
880-18634-10	SW-2 (5')	Total/NA	Solid	8021B	33371
880-18634-11	SW-3 (5')	Total/NA	Solid	8021B	33371
880-18634-12	SW-4 (3')	Total/NA	Solid	8021B	33371
880-18634-13	SW-5 (2')	Total/NA	Solid	8021B	33371
880-18634-14	SW-6 (2')	Total/NA	Solid	8021B	33371
880-18634-15	SW-7 (2')	Total/NA	Solid	8021B	33371
880-18634-16	SW-8 (2')	Total/NA	Solid	8021B	33371
880-18634-17	SW-9 (2')	Total/NA	Solid	8021B	33371
880-18634-18	SW-10 (2')	Total/NA	Solid	8021B	33371
880-18634-19	SW-11 (2')	Total/NA	Solid	8021B	33371
MB 880-33371/5-A	Method Blank	Total/NA	Solid	8021B	33371
MB 880-33696/39	Method Blank	Total/NA	Solid	8021B	
LCS 880-33371/1-A	Lab Control Sample	Total/NA	Solid	8021B	33371
LCSD 880-33371/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33371
880-18634-1 MS	CS-1 (5')	Total/NA	Solid	8021B	33371

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 33696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1 MSD	CS-1 (5')	Total/NA	Solid	8021B	33371

Analysis Batch: 33726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Total/NA	Solid	Total BTEX	
880-18634-2	CS-2 (2')	Total/NA	Solid	Total BTEX	
880-18634-3	CS-3 (2')	Total/NA	Solid	Total BTEX	
880-18634-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-18634-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-18634-6	CS-6 (2')	Total/NA	Solid	Total BTEX	
880-18634-7	CS-7 (2')	Total/NA	Solid	Total BTEX	
880-18634-8	CS-8 (2')	Total/NA	Solid	Total BTEX	
880-18634-9	SW-1 (5')	Total/NA	Solid	Total BTEX	
880-18634-10	SW-2 (5')	Total/NA	Solid	Total BTEX	
880-18634-11	SW-3 (5')	Total/NA	Solid	Total BTEX	
880-18634-12	SW-4 (3')	Total/NA	Solid	Total BTEX	
880-18634-13	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-18634-14	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-18634-15	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-18634-16	SW-8 (2')	Total/NA	Solid	Total BTEX	
880-18634-17	SW-9 (2')	Total/NA	Solid	Total BTEX	
880-18634-18	SW-10 (2')	Total/NA	Solid	Total BTEX	
880-18634-19	SW-11 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 33309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Total/NA	Solid	8015B NM	33367
880-18634-2	CS-2 (2')	Total/NA	Solid	8015B NM	33367
880-18634-3	CS-3 (2')	Total/NA	Solid	8015B NM	33367
880-18634-4	CS-4 (2')	Total/NA	Solid	8015B NM	33367
880-18634-5	CS-5 (2')	Total/NA	Solid	8015B NM	33367
880-18634-6	CS-6 (2')	Total/NA	Solid	8015B NM	33367
880-18634-7	CS-7 (2')	Total/NA	Solid	8015B NM	33367
880-18634-8	CS-8 (2')	Total/NA	Solid	8015B NM	33367
880-18634-9	SW-1 (5')	Total/NA	Solid	8015B NM	33367
880-18634-10	SW-2 (5')	Total/NA	Solid	8015B NM	33367
880-18634-11	SW-3 (5')	Total/NA	Solid	8015B NM	33367
880-18634-12	SW-4 (3')	Total/NA	Solid	8015B NM	33367
880-18634-13	SW-5 (2')	Total/NA	Solid	8015B NM	33367
880-18634-14	SW-6 (2')	Total/NA	Solid	8015B NM	33367
880-18634-15	SW-7 (2')	Total/NA	Solid	8015B NM	33367
880-18634-16	SW-8 (2')	Total/NA	Solid	8015B NM	33367
880-18634-17	SW-9 (2')	Total/NA	Solid	8015B NM	33367
880-18634-18	SW-10 (2')	Total/NA	Solid	8015B NM	33367
880-18634-19	SW-11 (2')	Total/NA	Solid	8015B NM	33367
MB 880-33367/1-A	Method Blank	Total/NA	Solid	8015B NM	33367
LCS 880-33367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33367
LCSD 880-33367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33367
880-18634-1 MS	CS-1 (5')	Total/NA	Solid	8015B NM	33367

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 33309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1 MSD	CS-1 (5')	Total/NA	Solid	8015B NM	33367

Prep Batch: 33367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Total/NA	Solid	8015NM Prep	
880-18634-2	CS-2 (2')	Total/NA	Solid	8015NM Prep	
880-18634-3	CS-3 (2')	Total/NA	Solid	8015NM Prep	
880-18634-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-18634-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-18634-6	CS-6 (2')	Total/NA	Solid	8015NM Prep	
880-18634-7	CS-7 (2')	Total/NA	Solid	8015NM Prep	
880-18634-8	CS-8 (2')	Total/NA	Solid	8015NM Prep	
880-18634-9	SW-1 (5')	Total/NA	Solid	8015NM Prep	
880-18634-10	SW-2 (5')	Total/NA	Solid	8015NM Prep	
880-18634-11	SW-3 (5')	Total/NA	Solid	8015NM Prep	
880-18634-12	SW-4 (3')	Total/NA	Solid	8015NM Prep	
880-18634-13	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-18634-14	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-18634-15	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-18634-16	SW-8 (2')	Total/NA	Solid	8015NM Prep	
880-18634-17	SW-9 (2')	Total/NA	Solid	8015NM Prep	
880-18634-18	SW-10 (2')	Total/NA	Solid	8015NM Prep	
880-18634-19	SW-11 (2')	Total/NA	Solid	8015NM Prep	
MB 880-33367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18634-1 MS	CS-1 (5')	Total/NA	Solid	8015NM Prep	
880-18634-1 MSD	CS-1 (5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Total/NA	Solid	8015 NM	
880-18634-2	CS-2 (2')	Total/NA	Solid	8015 NM	
880-18634-3	CS-3 (2')	Total/NA	Solid	8015 NM	
880-18634-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-18634-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-18634-6	CS-6 (2')	Total/NA	Solid	8015 NM	
880-18634-7	CS-7 (2')	Total/NA	Solid	8015 NM	
880-18634-8	CS-8 (2')	Total/NA	Solid	8015 NM	
880-18634-9	SW-1 (5')	Total/NA	Solid	8015 NM	
880-18634-10	SW-2 (5')	Total/NA	Solid	8015 NM	
880-18634-11	SW-3 (5')	Total/NA	Solid	8015 NM	
880-18634-12	SW-4 (3')	Total/NA	Solid	8015 NM	
880-18634-13	SW-5 (2')	Total/NA	Solid	8015 NM	
880-18634-14	SW-6 (2')	Total/NA	Solid	8015 NM	
880-18634-15	SW-7 (2')	Total/NA	Solid	8015 NM	
880-18634-16	SW-8 (2')	Total/NA	Solid	8015 NM	
880-18634-17	SW-9 (2')	Total/NA	Solid	8015 NM	
880-18634-18	SW-10 (2')	Total/NA	Solid	8015 NM	
880-18634-19	SW-11 (2')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 33325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Soluble	Solid	DI Leach	
880-18634-2	CS-2 (2')	Soluble	Solid	DI Leach	
880-18634-3	CS-3 (2')	Soluble	Solid	DI Leach	
880-18634-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-18634-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-18634-6	CS-6 (2')	Soluble	Solid	DI Leach	
880-18634-7	CS-7 (2')	Soluble	Solid	DI Leach	
880-18634-8	CS-8 (2')	Soluble	Solid	DI Leach	
880-18634-9	SW-1 (5')	Soluble	Solid	DI Leach	
880-18634-10	SW-2 (5')	Soluble	Solid	DI Leach	
880-18634-11	SW-3 (5')	Soluble	Solid	DI Leach	
880-18634-12	SW-4 (3')	Soluble	Solid	DI Leach	
880-18634-13	SW-5 (2')	Soluble	Solid	DI Leach	
880-18634-14	SW-6 (2')	Soluble	Solid	DI Leach	
880-18634-15	SW-7 (2')	Soluble	Solid	DI Leach	
880-18634-16	SW-8 (2')	Soluble	Solid	DI Leach	
880-18634-17	SW-9 (2')	Soluble	Solid	DI Leach	
880-18634-18	SW-10 (2')	Soluble	Solid	DI Leach	
880-18634-19	SW-11 (2')	Soluble	Solid	DI Leach	
MB 880-33325/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33325/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33325/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18634-1 MS	CS-1 (5')	Soluble	Solid	DI Leach	
880-18634-1 MSD	CS-1 (5')	Soluble	Solid	DI Leach	
880-18634-11 MS	SW-3 (5')	Soluble	Solid	DI Leach	
880-18634-11 MSD	SW-3 (5')	Soluble	Solid	DI Leach	

Analysis Batch: 33365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1	CS-1 (5')	Soluble	Solid	300.0	33325
880-18634-2	CS-2 (2')	Soluble	Solid	300.0	33325
880-18634-3	CS-3 (2')	Soluble	Solid	300.0	33325
880-18634-4	CS-4 (2')	Soluble	Solid	300.0	33325
880-18634-5	CS-5 (2')	Soluble	Solid	300.0	33325
880-18634-6	CS-6 (2')	Soluble	Solid	300.0	33325
880-18634-7	CS-7 (2')	Soluble	Solid	300.0	33325
880-18634-8	CS-8 (2')	Soluble	Solid	300.0	33325
880-18634-9	SW-1 (5')	Soluble	Solid	300.0	33325
880-18634-10	SW-2 (5')	Soluble	Solid	300.0	33325
880-18634-11	SW-3 (5')	Soluble	Solid	300.0	33325
880-18634-12	SW-4 (3')	Soluble	Solid	300.0	33325
880-18634-13	SW-5 (2')	Soluble	Solid	300.0	33325
880-18634-14	SW-6 (2')	Soluble	Solid	300.0	33325
880-18634-15	SW-7 (2')	Soluble	Solid	300.0	33325
880-18634-16	SW-8 (2')	Soluble	Solid	300.0	33325
880-18634-17	SW-9 (2')	Soluble	Solid	300.0	33325
880-18634-18	SW-10 (2')	Soluble	Solid	300.0	33325
880-18634-19	SW-11 (2')	Soluble	Solid	300.0	33325
MB 880-33325/1-A	Method Blank	Soluble	Solid	300.0	33325
LCS 880-33325/2-A	Lab Control Sample	Soluble	Solid	300.0	33325
LCSD 880-33325/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33325

QC Association Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 33365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18634-1 MS	CS-1 (5')	Soluble	Solid	300.0	33325
880-18634-1 MSD	CS-1 (5')	Soluble	Solid	300.0	33325
880-18634-11 MS	SW-3 (5')	Soluble	Solid	300.0	33325
880-18634-11 MSD	SW-3 (5')	Soluble	Solid	300.0	33325

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-1 (5')

Lab Sample ID: 880-18634-1
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 20:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/30/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 02:09	CH	EET MID

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-18634-2
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 21:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/30/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 02:36	CH	EET MID

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-18634-3
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 21:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/30/22 23:16	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 02:45	CH	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-18634-4
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 21:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-4 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-4
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			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/30/22 23:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 02:55	CH	EET MID

Client Sample ID: CS-5 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-5
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			4.97 g	5 mL	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 22:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/30/22 23:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 03:04	CH	EET MID

Client Sample ID: CS-6 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-6
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			5.05 g	5 mL	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 22:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 00:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 03:32	CH	EET MID

Client Sample ID: CS-7 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-7
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			4.99 g	5 mL	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 23:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 00:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-18634-7
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 03:41	CH	EET MID

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-18634-8
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/04/22 23:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 00:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 03:50	CH	EET MID

Client Sample ID: SW-1 (5')

Lab Sample ID: 880-18634-9
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 00:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 01:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 03:59	CH	EET MID

Client Sample ID: SW-2 (5')

Lab Sample ID: 880-18634-10
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 00:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 01:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 04:08	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-3 (5')

Lab Sample ID: 880-18634-11
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 02:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 02:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 04:18	CH	EET MID

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-18634-12
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 02:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 02:43	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 04:45	CH	EET MID

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-18634-13
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 03:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 03:04	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 04:54	CH	EET MID

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-18634-14
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 03:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-6 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-14
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			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 03:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 05:22	CH	EET MID

Client Sample ID: SW-7 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-15
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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 03:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 03:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 05:31	CH	EET MID

Client Sample ID: SW-8 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-16
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			4.95 g	5 mL	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 04:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 04:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33325	08/30/22 10:03	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 05:41	CH	EET MID

Client Sample ID: SW-9 (2')
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

Lab Sample ID: 880-18634-17
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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 04:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 04:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-18634-17
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33325	08/30/22 10:04	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 05:50	CH	EET MID

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-18634-18
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 05:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 04:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33325	08/30/22 10:04	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 05:59	CH	EET MID

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-18634-19
Matrix: Solid
Date Collected: 08/29/22 00:00
Date Received: 08/30/22 08:55

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	33371	08/30/22 14:16	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33696	09/05/22 05:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33726	09/05/22 09:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33424	08/31/22 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33367	08/30/22 13:24	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33309	08/31/22 05:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33325	08/30/22 10:04	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33365	08/31/22 06:08	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

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: Lizard Pot Fed Com (07.07.23)

Job ID: 880-18634-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18634-1	CS-1 (5')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-2	CS-2 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-3	CS-3 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-4	CS-4 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-5	CS-5 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-6	CS-6 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-7	CS-7 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-8	CS-8 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-9	SW-1 (5')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-10	SW-2 (5')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-11	SW-3 (5')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-12	SW-4 (3')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-13	SW-5 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-14	SW-6 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-15	SW-7 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-16	SW-8 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-17	SW-9 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-18	SW-10 (2')	Solid	08/29/22 00:00	08/30/22 08:55
880-18634-19	SW-11 (2')	Solid	08/29/22 00:00	08/30/22 08:55

Work Order No: 18634

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Lizard Pot Fed Com (07 07 22)	Turn Around	
Project Number	1093	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	24 Hrs
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4 30pm	
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	-.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.1
Total Containers		Corrected Temperature	1.3

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-1 (5')	8/29/2022		X		C	1		X	X	X		
CS-2 (2')	8/29/2022		X		C	1		X	X	X		
CS-3 (2')	8/29/2022		X		C	1		X	X	X		
CS-4 (2')	8/29/2022		X		C	1		X	X	X		
CS-5 (2')	8/29/2022		X		C	1		X	X	X		
CS-6 (2')	8/29/2022		X		C	1		X	X	X		
CS-7 (2')	8/29/2022		X		C	1		X	X	X		
CS-8 (2')	8/29/2022		X		C	1		X	X	X		
SW-1 (5')	8/29/2022		X		C	1		X	X	X		
SW-2 (5')	8/29/2022		X		C	1		X	X	X		

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

880-18634 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8/30/22 8:55		

Work Order No: 186634

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Lizard Pot Fed Com (07 07 22)	Turn Around	
Project Number	1093	☐ Routine	☑ Rush
Project Location	Lea Co, NM	Due Date	24 Hrs
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4:30pm	
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		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
SW-3 (5')	8/29/2022		X		C	1		X	X	X	
SW-4 (3')	8/29/2022		X		C	1		X	X	X	
SW-5 (2')	8/29/2022		X		C	1		X	X	X	
SW-6 (2')	8/29/2022		X		C	1		X	X	X	
SW-7 (2')	8/29/2022		X		C	1		X	X	X	
SW-8 (2')	8/29/2022		X		C	1		X	X	X	
SW-9 (2')	8/29/2022		X		C	1		X	X	X	
SW-10 (2')	8/29/2022		X		C	1		X	X	X	
SW-11 (2')	8/29/2022		X		C	1		X	X	X	

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Loc: 880
18634

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8/30/22 8:58		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-18634-1
SDG Number: Lea Co, NM

Login Number: 18634
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	

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

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

CONDITIONS

Action 146411

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 146411
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	11/22/2022