

SITE INFORMATION

Closure Report
Mallon 33 Federal #4
Incident ID: nTO1509642813
Lea County, New Mexico
Unit H Sec 33 T19S R34E
32.61858°, -103.55856°

Crude Oil Release

Point of Release: Corrosion Hole in the Bottom of a Steel Tank

Release Date: 04/02/2015

Volume Released: 255 Barrels of Oil Volume Recovered: 25 Barrels of Oil

CARMONA RESOURCES

Prepared for: Cimarex Energy Co. of Colorado 600 N. Marienfeld Street Suite 600 Midland, Texas 79701

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

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

- 2.0 SITE CHARACTERIZATION AND GROUNDWATER
- 3.0 NMAC REGULATORY CRITERIA
- 4.0 REMEDIATION ACTIVITIES
- **5.0 CONCLUSION**

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	PREVIOUS CONTRACT	TORS' ASSESSM	ENT MAP
FIGURE 4	OCD REQUESTED SAM	IPLE LOCATION	N MAP
FIGURE 5A	CONFIRMATION SAMI	PLE MAP	
FIGURE 5B	CONFIRMATION SIDE	WALL SAMPLE	MAP

APPENDICES

APPENDIX A	TABLE
APPENDIX B	PHOTOS
APPENDIX C	INITIAL AND FINAL C-141 / NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS

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



December 19, 2022

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

Re: Closure Report

Mallon 33 Federal #4 Cimarex Energy Co. of Colorado Site Location: Unit H, S33, T19S, R34E (Lat 32.61858°, Long -103.55856°) Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for Mallon 33 Federal #4. The site is located at 32.61858°, -103.55856° within Unit H, S33, T19S, R34E, 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 leak was discovered on April 2, 2015, caused by a corrosion hole on the bottom of a steel oil tank. It resulted in approximately two hundred and fifty-five (255) barrels of oil released, and twenty-five (25) barrels of oil were recovered. The impacted area is located on the pad and is shown on 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 sources are within a 0.50-mile radius of the location. The nearest groundwater determination bore is located approximately 0.01 miles south of the site in S33, T19S, R34E and was drilled in 2022. The bore has shown no signs of water at a depth of 55 feet below ground surface (bgs). A copy of the groundwater determination bore log is attached in Appendix D.

On October 4, 2022, H&R Enterprises, Inc was onsite to drill a groundwater determination bore at BH-6 to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.618129°, -103.558788°. See Appendix D for the log.

3.0 NMAC Regulatory Criteria

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



• Benzene: 10 milligrams per kilogram (mg/kg)

• Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

• TPH: 2,500 mg/kg (GRO + DRO + MRO)

• TPH: 1,000 mg/kg (DRO + GRO)

• Chloride: 10,000 mg/kg.

4.0 Remediation Activities

Initial Assessment

On April 8, 2015, a third-party company was on site to collect soil samples from the release area to evaluate soil impact. A total of four (4) sample points (SP-1 through SP-4) and the samples were analyzed for chlorides and benzene, toluene, ethylbenzene, and xylenes (BTEX). Refer to Table 1 and Figure 3.

Drilling Activities

A third-party company performed remediation work; however, Cimarex did not submit the closure report once remediation work was complete. Cimarex submitted a historical report, which was denied for showing soil impact beyond what was remediated. Per request of the OCD, Cimarex collected borehole samples on October 4, 2022. A total of six (6) boreholes (BH-1 through BH-6) were installed inside the release area to depths of the surface to 25.0 ft below the surface. Refer to Figure 4 for OCD-requested borehole sample locations. Borehole samples (BH-2, BH-4, and BH-5) showed high TPH concentrations ranging from 1,187 mg/kg to 4,481 mg/kg.

Vertical Delineation was achieved for all boreholes. Refer to Table 2.

Remediation

A third-party contractor was on-site from November 28, 2022, through December 2, 2022, to remediate the impacted areas. Carmona Resources personnel were onsite on December 5, 2022, to collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on December 1, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of CS-1 through CS-9 were excavated to a depth 22' bgs, and the area of CS-10 through CS-12 were excavated to a depth of 15" bgs to remove all impacted soils. A total of twelve (12) confirmation floor samples were collected (CS-1 through CS-12), and twenty-five (25) sidewall samples (SW-1 through SW-25), 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 results of the sampling are summarized in Table 1. The excavation depths and confirmation sample locations are shown in Figure 5A and 5B.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 3.

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Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 2,743 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusion

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

Sincerely,

Carmona Resources, LLC

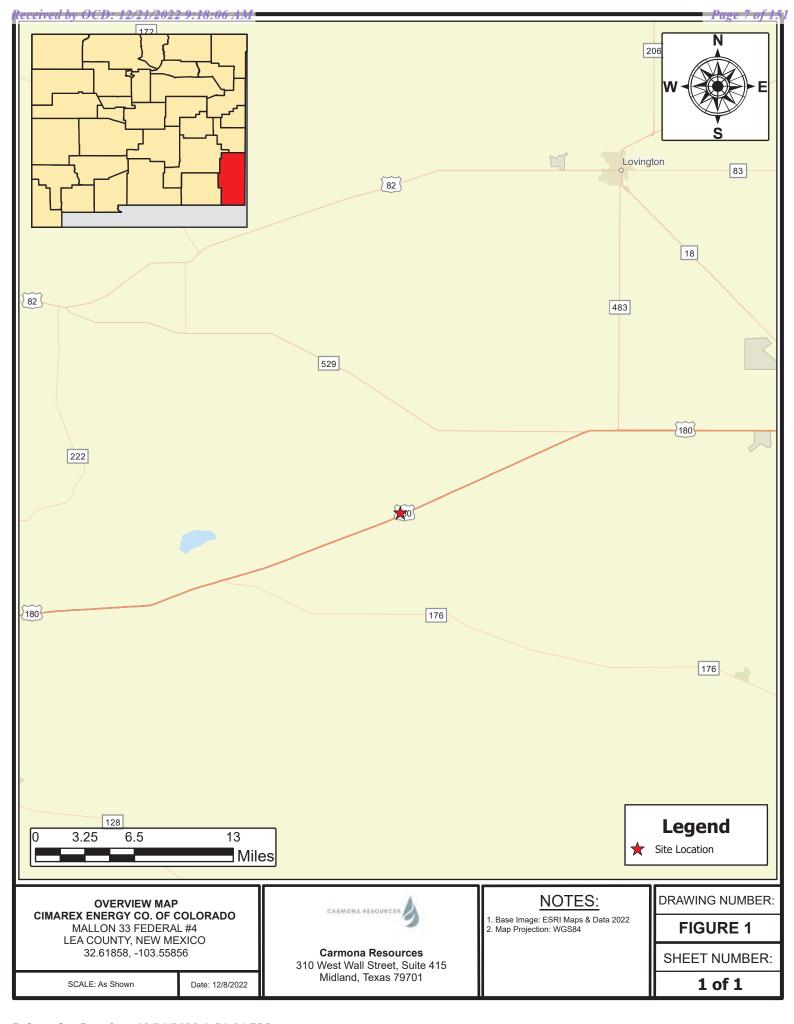
Mike Carmona

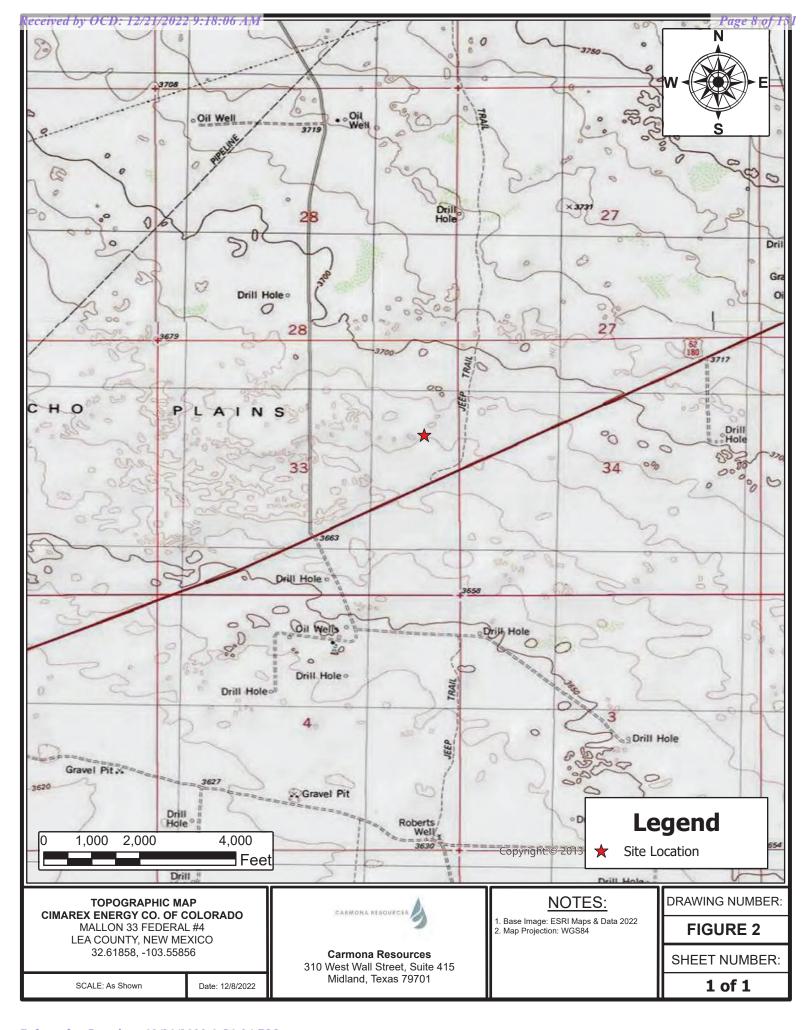
Environmental Manager

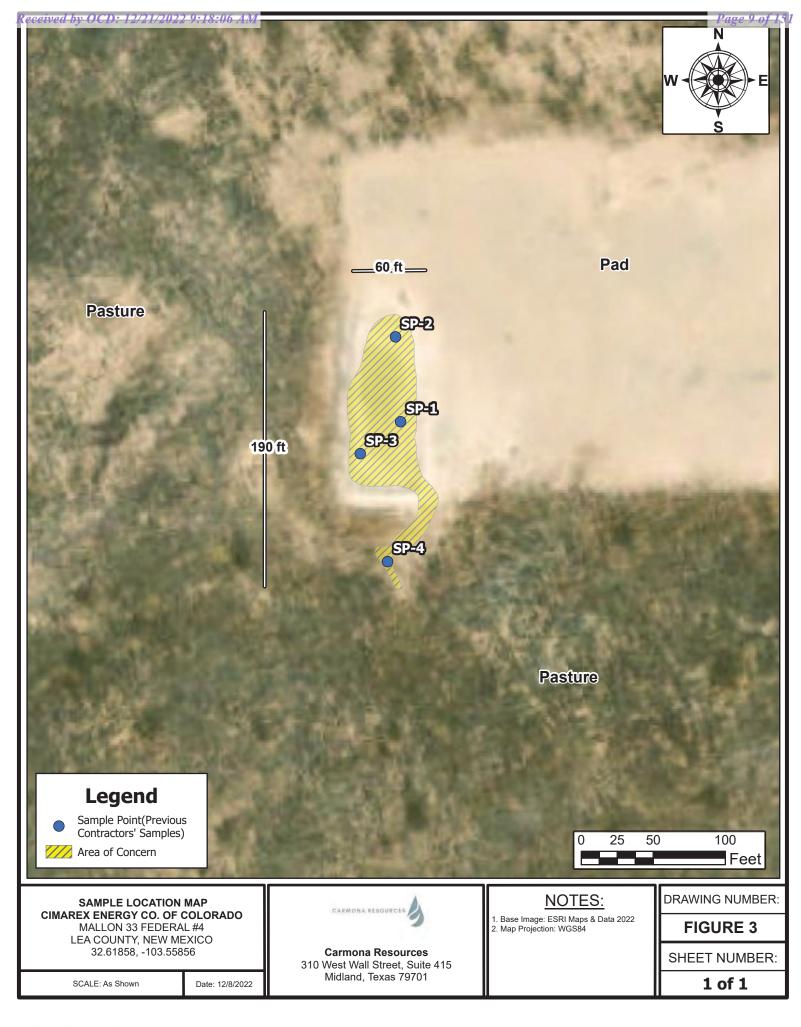
Ashton Thielke Sr. Project Manager

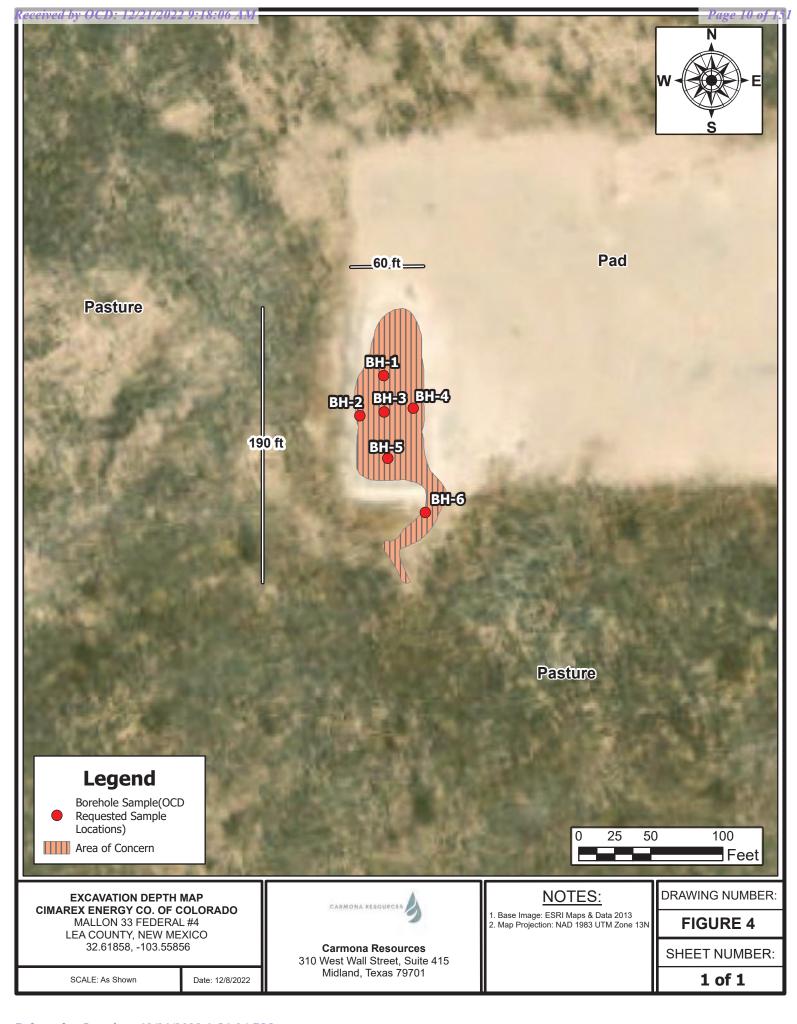
FIGURES

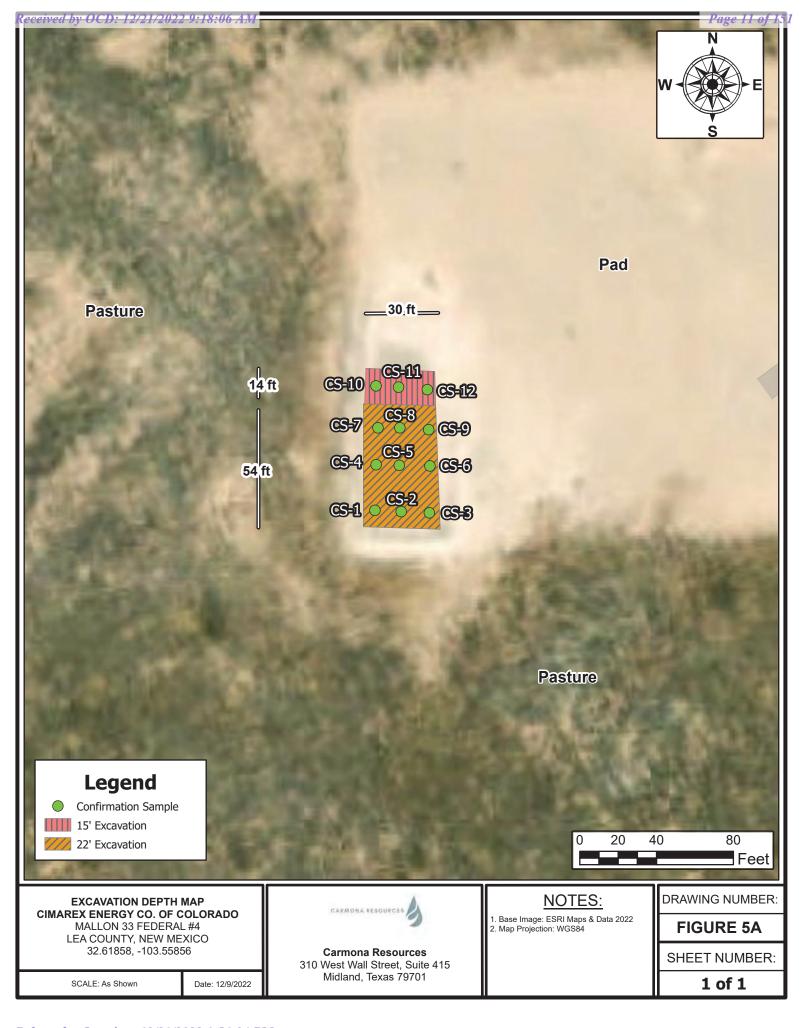
CARMONA RESOURCES

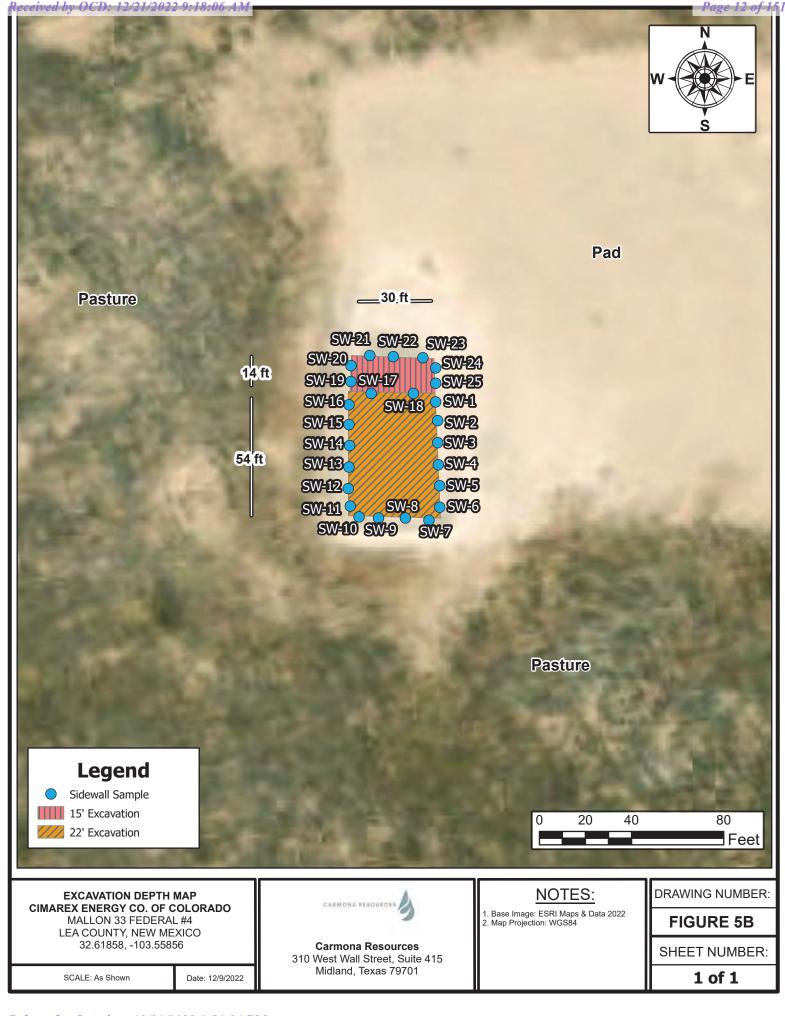












APPENDIX A



Lea County, New Mexico Table 1 Cimarex Mallon 33 Federal #4

Sample ID	Date	Depth (ft)	TPH (mg/kg)	Chloride (mg/kg)
	4/8/2015	Surface	565.3	1,399
	н	1	125.4	399
	н	2	92.4	374
	н	3	233.6	324
	н	4	540.3	499
	н	5	1,938	374
	н	9	655.4	374
	н	7	784.4	624
SP-1	н	8	578.3	399
	н	6	484.6	399
	н	10	672.3	499
	н	11	684.1	274
	н	12	1,284	449
	н	13	1,011	474
	н	14	899.2	624
	н	15	652.3	249
	н	16	486.1	424
	4/8/2015	Surface	1,864	1,899
	н	1	589.3	249
	н	2	483.2	374
	н	3	649.2	274
	н	4	782.1	374
	н	5	650.1	374
		6	1,232	499
	н	7	233.4	499
SP-2	н	8	101.2	274
	н	6	486.1	249
		10	392.2	324
	н	11	789.4	324
	н	12	649.8	274
	н	13	732.7	474
	н	14	484.3	349
	н	15	280.1	274
	н	16	562.3	274
Regulator	y Criteria ^A		100 mg/kg	600 mg/kg
toN(-)	-) Not Analyzed			

(-) Not Analyzed

A – Table 1 - 19,15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet (SP) Sample Point (BH) Bore Hole

Lea County, New Mexico Table 1 Cimarex Mallon 33 Federal #4

Sample ID	Date	Depth (ft)	TPH (mg/kg)	Chloride (mg/kg)
	4/8/2015	Surface	3,068	2,124
	E	1	742.3	524
	E	2	763.4	274
	E	3	989.1	374
SP-3	=	4	485.6	324
	E	5	384.3	274
	E	9	741.2	449
	E	7	1,223	249
	=	8	Auger Refusal	efusal
	4/8/2015	Surface	1,234	1,099
	±	1	283.4	499
SP-4	н	2	52.6	249
	н	3	12.4	299
	н	4	4.10	349
	10/4/2022	20	13,433	499
	ı	25	294.3	374
	н	30	164.3	499
	н	35	321.6	499
	ш	40	443.4	274
BH-1	н	45	230.4	274
	ш	50	140.2	499
	н	60	449.3	499
	ш	65	627.4	499
	н	70	215.8	274
	н	80	313.8	499
Regulator	Regulatory Criteria ^A		100 mg/kg	600 mg/kg

(-) Not Analyzed
A – Table 1 - 19.15.29 NMAC
mg/kg - miligram per kilogram
TPH - Total Petroleum Hydrocarbons

ft - feet (SP) Sample Point (BH) Bore Hole

Lea County, New Mexico Mallon 33 Federal #4 Table 2 Cimarex

!				TPH	TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Deptn (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	10/4/2022	0-5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
EH.	ı	5-10'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	=	10-15'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	=	15-20'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	10/4/2022	0-5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	=	5-10'	564	31.7	35.1	631	<0.050	0.099	0.466	1.62	2.19	32.0
BH-2	ı	10-15'	3,650	451	380	4,481	<0.500	8.04	13.4	26.3	47.7	16.0
	=	15-20'	920	59.1	80.7	1,060	<0.050	0.297	1.04	2.53	3.87	32.0
	н	25'	43.5	<10.0	<10.0	43.5	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	10/4/2022	0-5'	355	36.0	61.0	452	<0.050	0.073	0.312	0.837	1.22	48.0
0	=	5-10'	854	51.6	120	1,026	<0.050	0.265	0.887	2.48	3.63	32.0
?	ш	10-15'	269	104	<10.0	673	0.617	14.6	12.4	20.9	48.5	80.0
	=	15-20'	37.5	<10.0	<10.0	37.5	<0.050	0.062	0.083	<0.150	<0.300	80.0
	10/4/2022	0-5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
NH M	ı	5-10'	271	<10.0	42.7	314	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<u>†</u>	ı	10-15'	1,000	28.7	158	1,187	<0.050	<0.050	0.128	0.749	0.877	64.0
	ı	15-20'	30.1	<10.0	<10.0	30.1	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	10/4/2022	0-2,	13.0	<10.0	<10.0	13.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	ı	5-10'	1,270	81.1	168	1,519	<0.050	0.426	0.866	4.55	5.49	32.0
BH-5	ı	10-15'	1,780	362	167	2,309	0.757	20.8	18.3	34.4	74.2	96.0
	ı	15-20'	2,490	216	313	3,019	<0.200	3.64	7.91	17.3	28.8	48.0
	=	25'	6.66	<10.0	<10.0	6.66	<0.050	<0.050	0.056	<0.150	<0.300	64.0
	10/4/2022	0-5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
		5-10'	14.8	<10.0	<10.0	14.8	<0.050	<0.050	<0.050	<0.150	<0.300	432
BH-6	ı	10-15'	13.5	<10.0	<10.0	13.5	<0.050	<0.050	<0.050	<0.150	<0.300	896
		15-20'	14.8	<10.0	<10.0	14.8	<0.050	<0.050	<0.050	<0.150	<0.300	1,250
	н	25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Regulator	ry Criteria ^A			1,000 mg/kg	1	2,500 mg/kg	10 mg/kg			٠	50 mg/kg	10,000 mg/kg
4-14 ()	A section of											

(-) Not Analyzed

Removed

A - Table 1 - 19.15.29 NIMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) Bore Hole

Lea County, New Mexico Table 3 Cimarex Mallon 33 Federal #4

<u>.</u>	į	i i		ТРН	TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Deptn (π)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
CS-1	12/6/2022	22.0	71.1	<50.0	<50.0	71.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.7
CS-2	12/6/2022	22.0	0.69	<49.9	<49.9	0.69	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	64.5
CS-3	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	64.9
CS-4	12/6/2022	22.0	9.09	<50.0	<50.0	9.09	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.2
CS-5	12/6/2022	22.0	9.89	<50.0	<50.0	68.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	60.4
9-SO	12/6/2022	22.0	77.8	<50.0	<50.0	77.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	82.8
CS-7	12/6/2022	22.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.2
CS-8	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.4
CS-9	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	22.5
CS-10	12/6/2022	15.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.1
CS-11	12/6/2022	15.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	0.00384	0.0126	0.0164	35.4
CS-12	12/6/2022	15.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	39.1
Regulatory Crite	ry Criteria ^A			1,000 mg/kg)	2,500 mg/kg	10 mg/kg				20 mg/kg	10,000 mg/kg

A Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH - Total Petroleum Hydrocarbons ft - feet

(CS) Confirmation Sample

Table 3
Cimarex
Mallon 33 Federal #4
Lea County, New Mexico

							22142					
CI CICCO	ç	Don'th (#)		ТРН	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
odinpie in	Date	Deptin (11)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SW-1	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.7
SW-2	12/6/2022	22.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.3
SW-3	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.6
SW-4	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.4
SW-5	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13.8
SW-6	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.5
SW-7	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.7
SW-8	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.2
SW-9	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.5
SW-10	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.7
SW-11	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	16.1
SW-12	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.3
SW-13	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.7
SW-14	12/6/2022	22.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.7
SW-15	12/6/2022	22.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.9
SW-16	12/6/2022	22.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.2
SW-17	12/6/2022	7.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.5
SW-18	12/6/2022	7.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.9
SW-19	12/6/2022	15.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.1
SW-20	12/6/2022	15.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.9
SW-21	12/6/2022	15.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.2
SW-22	12/6/2022	15.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.2
SW-23	12/6/2022	15.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	0.00428	0.00428	14.2
SW-24	12/6/2022	15.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.8
SW-25	12/6/2022	15.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.2
Regulator	ry Criteria ^A			յ,000 mg/kg		2,500 mg/kg	10 mg/kg				. 20 mg/kg	0,000 mg/kg

(-) Not Analyzed

A — Table 1 - 19.15.29 NIMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons

(SW) Sidewall Sample ft - feet

APPENDIX B



PHOTOGRAPHIC LOG

Cimarex

Photograph No. 1

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View Northeast, area of BH-1.



Photograph No. 2

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View South, area of BH-2.



Photograph No. 3

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View Northeast, area of BH-6.





PHOTOGRAPHIC LOG

Cimarex

Photograph No. 4

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View Southwest, area of CS-1 through CS-9.



Photograph No. 5

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View West, area of CS-4 through CS-12.

© 282°W (T) © 32.618317°N, 103.558730°W ±13ft ▲ 3672ft Mallon 33 Federal 4 05 Dec 2022: 10:12:13

NW

NW

Photograph No. 6

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

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





APPENDIX C

CARMONA RESOURCES

Received by OCD: 12/21/2022 9:18:06 AM

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

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

pTO1509643006

Page 23 of 151

			Rele	ease Notific	ation	and Co	rrective A	ction				
						OPERA	ГOR		M Initi	al Report		Final Repor
Name of Co	mpany C	imarex Ener	gy				ristine Alderma	n				
Address 60				d TX	- 1	Telephone 1	No. 432-853-70	59				
Facility Nar	ne Mallor	33 Fed 4			I	Facility Typ	e production					
Surface Ow	ner			Mineral O	wner				API No	o. 30-025-3	34114	
				LOCA	TION	OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County		
H	33	198	34E	1980		N	560		Е	Lea		
11	33	175	345	<u> </u>	61050		-103,55856		D	1200		
				_								
True of Data	!!			NAT	URE	OF RELI	Release 255 bbls	e	Volume	Recovered	251	bbls
Type of Release							lour of Occurrence			Hour of Dis		0013
Steel tank	icase					4/2/2015			4/2/2015			
Was Immedia	ate Notice (_	7		If YES, To						
			Yes _	No Not Re	quired		ing/Sol Hughes					
By Whom?						Date and H		2/2015				
Was a Water	course Reac		Yes 🗵	1 No		If YES, Vo	lume Impacting t	he Wate	ercourse.			
70 777												
If a Watercou	irse was Im	pacted, Descr	ibe Fully.		1/5							
				RECEI	VEL)						
				By OCD;	Dr. Ok	perding at	t 11:49 am, A	pr 06,	2015			
Describe Cause of Problem and Remedial Action Taken.*												
Describe Cause of Problem and Remedial Action Taken.* A corrosion hole developed in the bottom of the steel oil tank.												
A corrosion hole developed in the bottom of the steel oil tank.												
Describe Area Affected and Cleanum Action Tolon *												
Describe Area Affected and Cleanup Action Taken.* The fluids were mainly contained inside an unlined berm. A small amount got out onto the location pad. The area will be delineated and a work plan												
The fluids were mainly contained inside an unlined berm. A small amount got out onto the location pad. The area will be delineated and a work plan developed for clean up.												
developed for clean up.												
I hereby certi	fy that the i	nformation gi	ven above	e is true and compl	ete to th	e best of my	knowledge and u	nderstar	d that pur	suant to NM	OCD n	iles and
regulations al	1 operators	are required t	o report ai	nd/or file certain re	lease no	tifications a	nd perform correc	tive acti	ons for rel	eases which	may en	danger
public health	or the envi	ronment. The	acceptano	ce of a C-141 report investigate and re	rt by the	: NMOCD m : contaminati	arked as "Final K on that nose a thr	eport" d eat to or	oes not rei	ieve inc ope	rator of ater his	man health
or the enviro	peranons n iment. In a	ddition. NMC	idequatery CD accer	otance of a C-141 r	eport do	es not reliev	e the operator of	responsi	bility for c	compliance v	vith any	other
federal, state,												
,	1,	1	0				OIL CON	SERV	<u>ATION</u>	DIVISIO	<u>)N</u>	
Signature:	hMAI	tine a	Odia	MAK								
Digitature.	100000	0.4 00	ue v			Hydrologi Approved by	st Environmental S	necialist				10:0
Printed Name	: Christine	Alderman				-r p10 /00 0J		-	- 11		1	PhO
Title: ESH S	upervisor					Approval Dat	e: 04/06/2015	1	Expiration	Date:		2015
		-on (Oo!				Conditions of	Annroyate	-				STATE OF THE PARTY.
E-mail Addre	ss: caidern	nan(wcimarex	.com			Conditions of Site samples	required. Delinea	ate and r	emediate	Attached		
L	2015			432-853-7059			MOCD guides.			1RP-359	92	162683
Attach Addit	tional Shee	ets If Necess	ary							nTO15	096428	13

re of New Mexico

Incident ID nTO1509642813

Incident ID	nTO1509642813
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?	>55' (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? Are the lateral extents of the release overlying an unstable area such as karst geology? Yes				
Are the lateral extents of the release overlying an unstable area such as karst geology?				
Are the lateral extents of the release within a 100-year floodplain?				
Did the release impact areas not on an exploration, development, production, or storage site?				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of 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 well 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 	ls.			

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.

Received by OCD: 12/21/2022 9:18:06 AM
Form C-141 State of New Mexico
Page 4 Oil Conservation Division

	Page 25 of 1.	<i>51</i>
Incident ID	nTO1509642813	
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Laci Luig	Title: EHS Specialist
Signature: AC.	Date: 12/19/2022
email: Laci.Luig@coterra.com	Telephone: (432) 208-3035
OCD Only	
Received by: Jocelyn Harimon	Date:12/21/2022

Page 26 of 151

Incident ID nTO1509642813

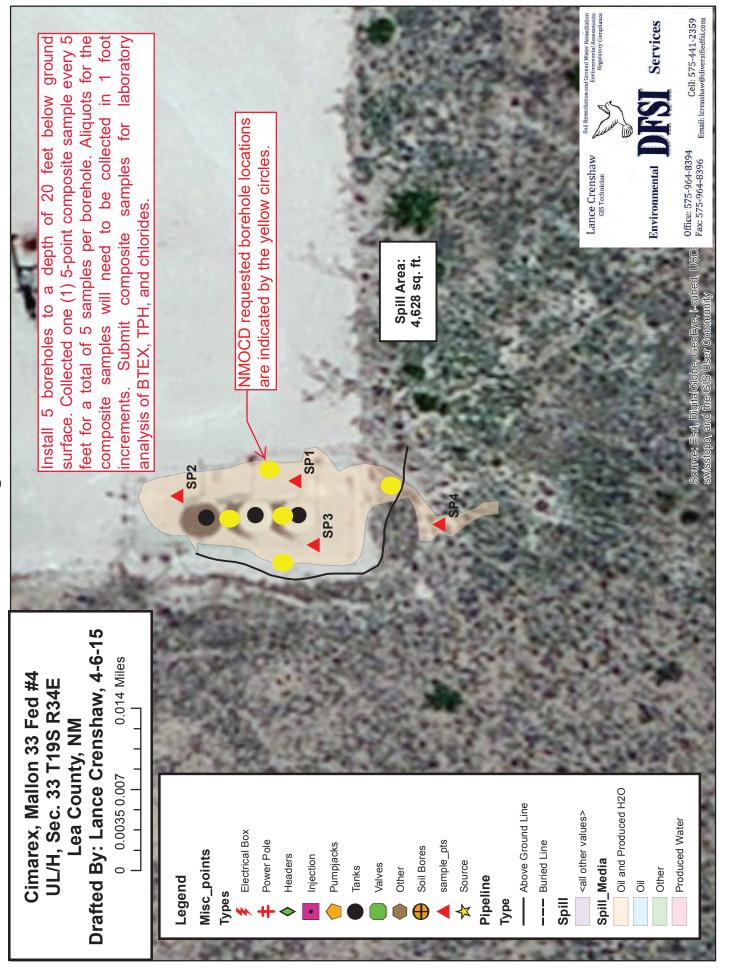
District RP
Facility ID
Application ID

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 in	tems must be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
✓ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and renhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the O	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name: Laci Luig	Title: EHS Specialist
Signature: \(\lambda \tau^{\tau} \)	Date: 12/19/2022
email: Laci.Luig@coterra.com	Telephone: (432) 208-3035
OCD Only	
Received by:Jocelyn Harimon	Date:12/21/2022
remediate contamination that poses a threat to groundwater, surface very party of compliance with any other federal, state, or local laws and/o	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Luttan Hall	Date: 12/21/2022
Printed Name: Brittany Hall	Title: Environmental Specialist

Site Diagram



Ashton Thielke

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Thursday, December 1, 2022 2:26 PM

To: Ashton Thielke

Cc: Hall, Brittany, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] RE: Mallon 33 Federal 4 (04.02.2015) - NTO1509642813 - Confirmation Sampling

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

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

Jocelyn Harimon • Environmental Specialist

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





From: Ashton Thielke < Ashton. Thielke@coterra.com>

Sent: Thursday, December 1, 2022 9:46 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>; NM BLM Spill Notification (BLM NM CFO Spill@blm.gov)

<blm_nm_cfo_spill@blm.gov>

Cc: Laci Luig < Laci.Luig@coterra.com>

Subject: [EXTERNAL] RE: Mallon 33 Federal 4 (04.02.2015) - NTO1509642813 - Confirmation Sampling

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

This email serves as notification for confirmation sampling on the above mentioned site. Sampling is scheduled to begin as early as December 5, 2022, weather and soil conditions permitting. Confirmation sampling has been delayed due to the recent holiday, weather, and laboratory results from our assessment of this historical spill.

Thanks you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.5347 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

From: Ashton Thielke

Sent: Friday, September 30, 2022 8:32 AM

To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov) < OCD.Enviro@emnrd.nm.gov >

Cc: Laci Luig < Laci.Luig@coterra.com >

Subject: Mallon 33 Federal 4 (04.02.2015) - NTO1509642813 - Confirmation Sampling

This email serves as notification for confirmation sampling on the above mentioned site. Sampling is scheduled to begin as early as October 4, 2022, weather and soil conditions permitting. Carmona Resources will be onsite for confirmation sampling.

Thank you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.5347 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

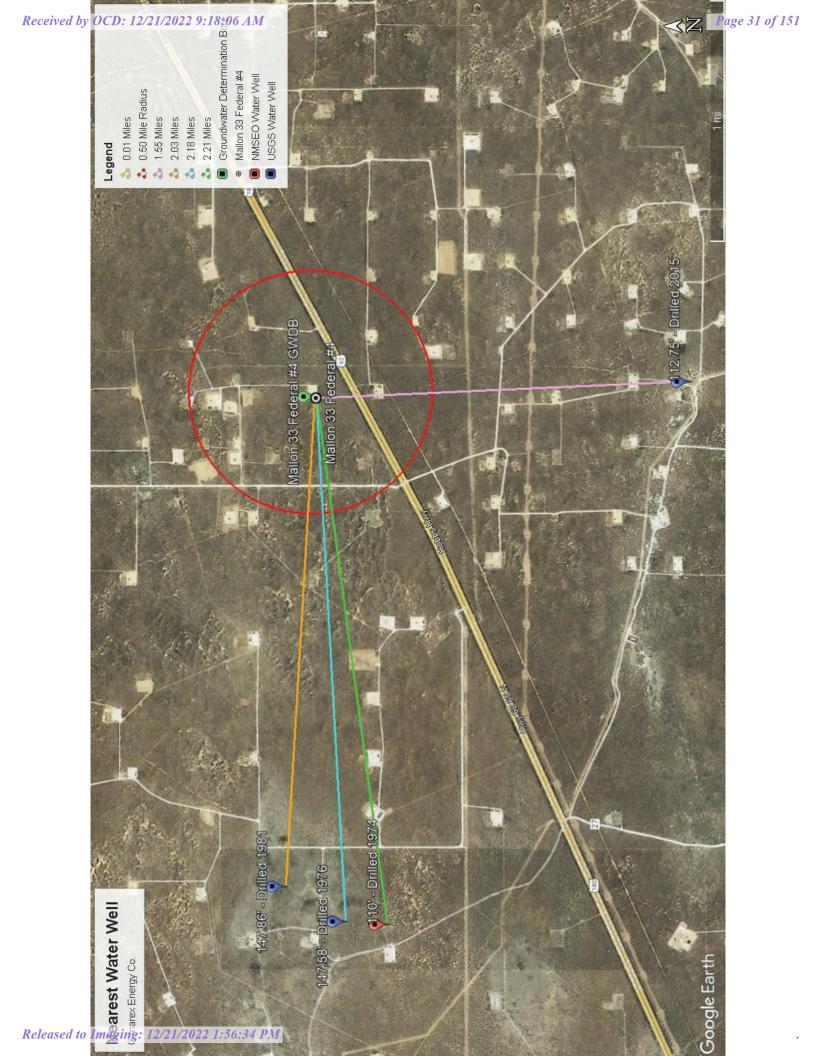
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

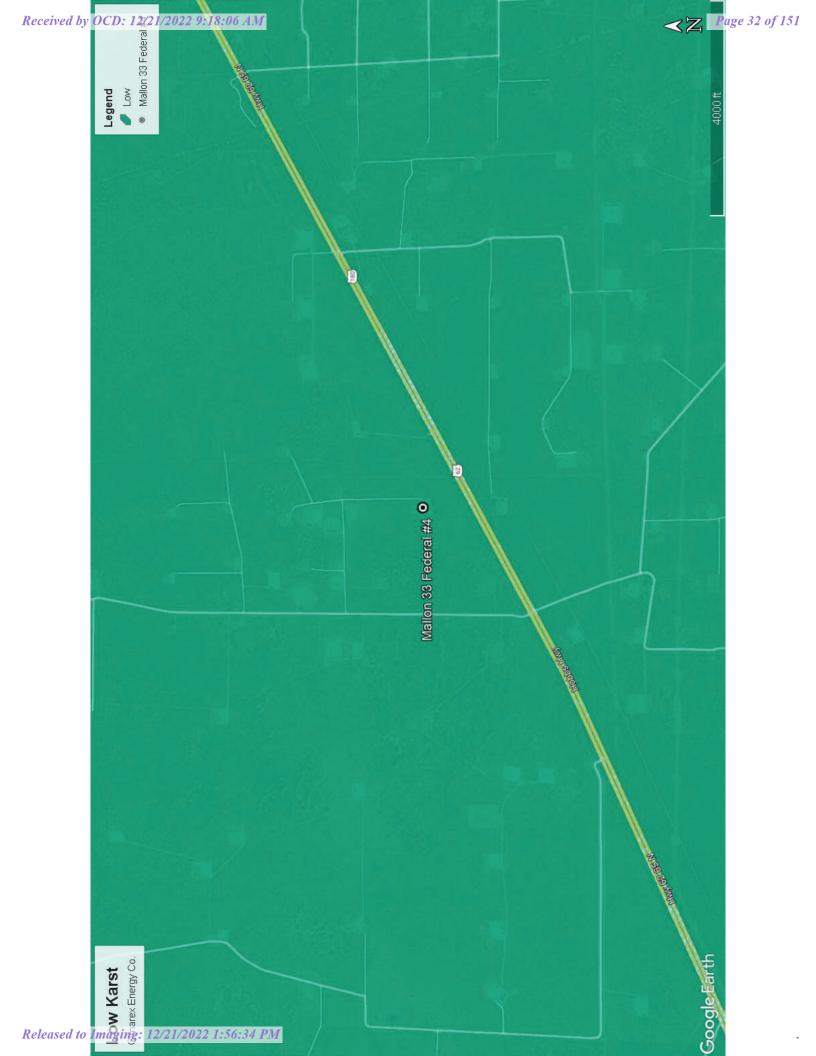
Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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APPENDIX D

CARMONA RESOURCES







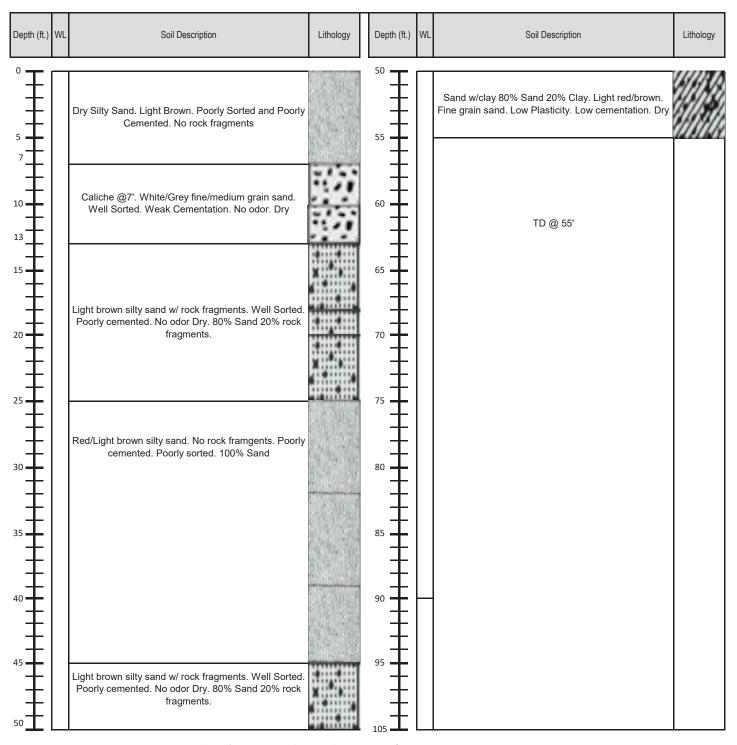
 Project Name :
 Mallon 33 Federal #4
 Date :
 Tuesday, October 4, 2022

 Project No. :
 1140
 Sampler :
 A. Thielke

 Location :
 Lea Co, NM

 Coordinates :
 32.618129, -103.558788
 Driller :
 H&R Enterprises

 Elevation :
 Method :
 Air Rotary



Comments: Boring terminated at 55' at 12:00 Central Time with no presence of groundwater or moisture.



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

(NAD83 UTM in meters)

(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)

(In feet)

	3.3334)	`	'						J / (,	`	,	
	POD													
	Sub-		Q	Q	Q							Depth	Depth	Water
POD Number	Code basin	County	64	16	4 8	Sec '	Tws	Rng	X	Υ	Distance	Well	Water C	Column
CP 00656 POD1	CP	LE	4	4	4	04	20S	34E	635342	3607391* 🌍	2503	225		
CP 01672 POD1	CP	LE	1	3	1	36	198	34E	638736	3610009 🌑	3526	100		
L 07213	L	LE	4	1	4	31	19S	34E	631700	3609351*	3552	160	110	50

Average Depth to Water: 110 feet

> Minimum Depth: 110 feet

Maximum Depth: 110 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 635211.59 Radius: 4000 Northing (Y): 3609891.15

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

L 07213

Q64 Q16 Q4 Sec Tws Rng

31 19S 34E

631700 3609351*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date: 05/04/1974 **Drill Finish Date:** 05/05/1974 **Plug Date:**

Log File Date: 05/15/1974 **PCW Rcv Date:** Source: Shallow **Pump Type:** Pipe Discharge Size: **Estimated Yield:** 50 GPM **Casing Size:** 7.00 Depth Well: 160 feet Depth Water: 110 feet

> **Casing Perforations:** Top Bottom 160 110

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

10/6/22 3:01 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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- 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 =

323659103354601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323659103354601 19S.34E.31.232+DUP

Lea County, New Mexico Latitude 32°36'59", Longitude 103°35'46" NAD27 Land-surface elevation 3,630 feet above NAVD88

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

Output formats

Tab-separated data Graph of data Reselect period

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring [‡] agency	? Source measur
1976-12-15		D	62610		3480.87	NGVD29	Р	Z		
1976-12-15		D	62611		3482.42	NAVD88	Р	Z		
1976-12-15		D	72019	147.58			Р	Z		

Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	Р	Pumping
Method of measurement	Z	Other.



Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> **Data Tips Explanation of terms** Subscribe for system changes **News**

Accessibility Privacy U.S. Department of the Interior | U.S. Geological Survey.
Title: Groundwater for New Mexico: Water Levels USA.gov

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2022-10-06 16:59:35 EDT

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

0.29 0.25 nadww02



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Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 323712103353701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323712103353701 19S.34E.31.232112

Lea County, New Mexico

Latitude 32°37'12", Longitude 103°35'37" NAD27

Land-surface elevation 3,640 feet above NAVD88

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1976-12-15		D	62610		3490.86	NGVD29	Р	Z		
1976-12-15		D	62611		3492.42	NAVD88	Р	Z		
1976-12-15		D	72019	147.58			Р	Z		
1981-01-28		D	62610		3490.58	NGVD29	Р	Z		
1981-01-28		D	62611		3492.14	NAVD88	Р	Z		
1981-01-28		D	72019	147.86			Р	Z		

Explanation

Code	Description
D	Date is accurate to the Day
62610	Groundwater level above NGVD 1929, feet
62611	Groundwater level above NAVD 1988, feet
72019	Depth to water level, feet below land surface
	62611

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	Р	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site **Automated retrievals** <u>Help</u> Data Tips **Explanation of terms** Subscribe for system changes **News**

Accessibility

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels

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

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2022-10-06 17:02:23 EDT

0.27 0.24 nadww02





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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs site_no list =

• 323529103332501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323529103332501 20S.34E.04.44434

Lea County, New Mexico
Latitude 32°35'44.90", Longitude 103°33'27.80" NAD83
Land-surface elevation 3,632 feet above NAVD88
The depth of the well is 200 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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
1965-11-17		D	62610		3443.90	NGVD29	Р	Z		
1965-11-17		D	62611		3445.46	NAVD88	Р	Z		
1965-11-17		D	72019	186.54			Р	Z		
1968-03-19		D	62610		3484.54	NGVD29	1	Z		
1968-03-19		D	62611		3486.10	NAVD88	1	Z		
1968-03-19		D	72019	145.90			1	Z		
1971-02-03		D	62610		3458.25	NGVD29	Р	Z		
1971-02-03		D	62611		3459.81	NAVD88	Р	Z		
1971-02-03		D	72019	172.19			Р	Z		
1972-10-02		D	62610		3456.35	NGVD29	Р	Z		
1972-10-02		D	62611		3457.91	NAVD88	Р	Z		
1972-10-02		D	72019	174.09			Р	Z		
1976-01-28		D	62610		3500.54	NGVD29	1	Z		
1976-01-28		D	62611		3502.10	NAVD88	1	Z		

Date Time				arameter ode	Water level, feet below land surface	Water level, feet above specific vertical datum	Refei verti datui	
1976-01-28	D	72019	129.90			1	Z	
1981-02-18	D	62610		3503.57	NGVD29	1	Z	
1981-02-18	D	62611		3505.13	NAVD88	1	Z	
1981-02-18	D	72019	126.87			1	Z	
1986-04-01	D	62610		3504.62	NGVD29	1	Z	
1986-04-01	D	62611		3506.18	NAVD88	1	Z	
1986-04-01	D	72019	125.82			1	Z	
1996-01-26	D	62610		3505.67	NGVD29	1	S	
1996-01-26	D	62611		3507.23	NAVD88	1	S	
1996-01-26	D	72019	124.77			1	S	
2015-12-17 15:45 UTG	C m	62610		3517.69	NGVD29	1	S	USGS
2015-12-17 15:45 UTG	C m	62611		3519.25	NAVD88	1	S	USGS
2015-12-17 15:45 UT	C m	72019	112.75			1	S	USGS

Explanation

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

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Data Tips
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U.S. Department of the Interior | U.S. Geological Survey. Title: Groundwater for New Mexico: Water Levels

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-10-06 17:04:42 EDT

0.28 0.23 nadww01



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

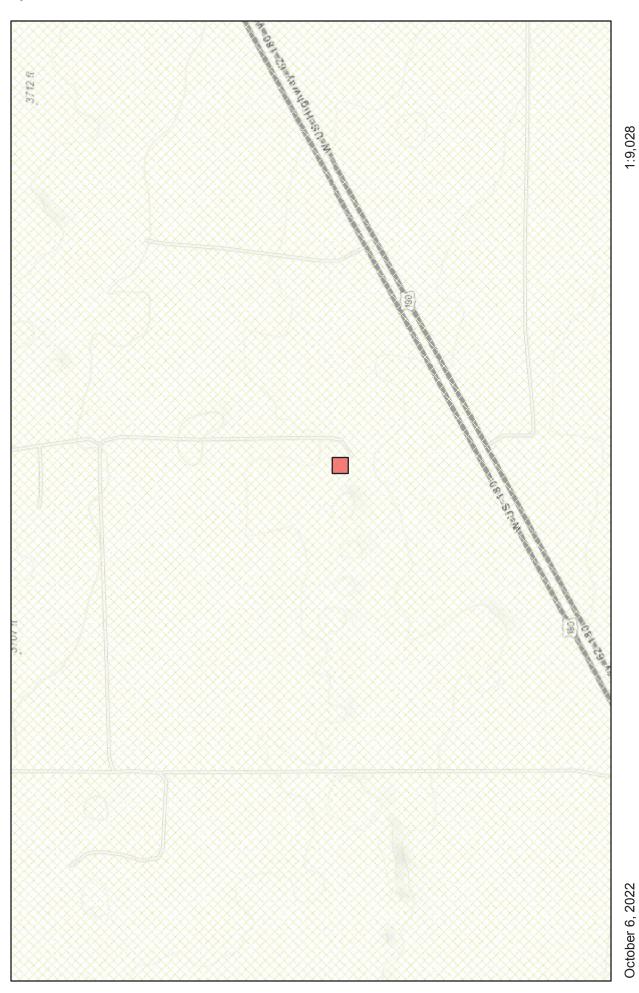
0.1

0.4 km

0.2 mi

0.1

0.05



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Released to Imaging: 12/21/2022 1:56:34 PM

APPENDIX E

CARMONA RESOURCES



October 06, 2022

MICHAEL COLLIER H & R ENTERPRISES 1010 GAMBLIN ROAD HOBBS, NM 88240

RE: MALLON 33 FED #4

Enclosed are the results of analyses for samples received by the laboratory on 10/04/22 14:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Sa Reported: 10/06/2022 Sa

mg/kg

Project Name: MALLON 33 FED #4 Sampling Condition:
Project Number: NONE GIVEN Sample Received By:

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 0-5' (H224619-01)

BTEX 8021B

DILX 0021D	ilig	/ Kg	Allalyze	a by. 311/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	QM-07, QR-03
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	QR-03
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 % 69.9-14		0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	78.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.1	% 46.3-17	8						

Analyzed By: JH/

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Sampling Date: 10/04/2022 Reported: 10/06/2022 Sampling Type: Soil

Project Name: MALLON 33 FED #4 Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez Project Number: NONE GIVEN

Project Location: **CIMAREX**

Sample ID: BH - 1 5-10' (H224619-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID 101 % 69.		69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	81.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.0	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 10-15' (H224619-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	< 0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	< 0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	< 0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	84.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	78						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Sampling Date: 10/04/2022 Reported: 10/06/2022 Sampling Type: Soil

Project Name: MALLON 33 FED #4 Sampling Condition: ** (See Notes) Shalyn Rodriguez Project Number: NONE GIVEN Sample Received By:

Project Location: **CIMAREX**

Sample ID: BH - 1 15-20' (H224619-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID 101 % 69.9-1		69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	86.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	46.3-17	8						

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10/04/2022

Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Sampling Date:

Reported: 10/06/2022 Sampling Type: Soil

Project Name: MALLON 33 FED #4 Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez Project Number: NONE GIVEN

Project Location: **CIMAREX**

Sample ID: BH - 2 0-5' (H224619-05)

BTEX 8021B	mg/	kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	84.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.7	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN Project Location: **CIMAREX**

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 5-10' (H224619-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	0.099	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	0.466	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	1.62	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	2.19	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	140 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31.7	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	564	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	35.1	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	87.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 10-15' (H224619-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	8.04	0.500	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	13.4	0.500	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	26.3	1.50	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	47.7	3.00	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	451	50.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	3650	50.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	380	50.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	137	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	244	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 15-20' (H224619-08)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	0.297	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	1.04	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	2.53	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	3.87	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	130	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	59.1	50.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	920	50.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	80.7	50.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	171	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN
Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 0-5' (H224619-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	0.073	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	0.312	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	0.837	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	1.22	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	36.0	10.0	10/06/2022	ND	210	105	200	2.70	
DRO >C10-C28*	355	10.0	10/06/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	61.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	132 9	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN
Project Location: CIMAREX

 10/04/2022
 Sampling Date:
 10/04/2022

 10/06/2022
 Sampling Type:
 Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 5-10' (H224619-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	0.265	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	0.887	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	2.48	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	3.63	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	51.6	10.0	10/06/2022	ND	210	105	200	2.70	
DRO >C10-C28*	854	10.0	10/06/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	120	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	161	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN
Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 10-15' (H224619-13)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.617	0.100	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	14.6	0.100	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	12.4	0.100	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	20.9	0.300	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	48.5	0.600	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	137	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	104	50.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	569	50.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<50.0	50.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	109	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	145	% 46.3-17	<i>'8</i>						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN

Project Location: **CIMAREX** Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Shalyn Rodriguez Sample Received By:

Sample ID: BH - 3 15-20' (H224619-14)

BTEX 8021B	mg/	kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	0.062	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	0.083	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	37.5	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	92.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	6 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN **CIMAREX**

Project Location:

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: BH - 4 0-5' (H224619-17)

BTEX 8021B	mg/	kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	86.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	6 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN **CIMAREX**

Project Location:

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Shalyn Rodriguez Sample Received By:

Sample ID: BH - 4 5-10' (H224619-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	271	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	42.7	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	96.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	127	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022

Reported: 10/06/2022 Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN

Project Location: **CIMAREX** Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Shalyn Rodriguez Sample Received By:

Sample ID: BH - 4 10-15' (H224619-19)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	0.128	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	0.749	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	0.877	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	133 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/05/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28.7	10.0	10/06/2022	ND	210	105	200	2.70	
DRO >C10-C28*	1000	10.0	10/06/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	158	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	166 9	% 46.3-17	8						

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10/04/2022

Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Sampling Date:

Reported: 10/06/2022 Sampling Type: Soil
Project Name: MALLON 33 FED #4 Sampling Condition: **(

Project Name: MALLON 33 FED #4 Sampling Condition: ** (See Notes)

Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: CIMAREX

Sample ID: BH - 4 15-20' (H224619-20)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	30.1	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	87.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 0-5' (H224619-23)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	<0.050	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	< 0.050	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	13.0	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	94.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113	% 46.3-17	8						

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

Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022

Reported: 10/06/2022

Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN **CIMAREX**

Project Location:

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 5-10' (H224619-24)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	0.426	0.050	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	0.866	0.050	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	4.55	0.150	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	5.49	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	154 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	81.1	50.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	1270	50.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	168	50.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	120 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	177 9	² / ₆ 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 10-15' (H224619-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.757	0.500	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	20.8	0.500	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	18.3	0.500	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	34.4	1.50	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	74.2	3.00	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	362	50.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	1780	50.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	167	50.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	140	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	212	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4 Project Number: NONE GIVEN

Project Location: **CIMAREX** Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes) Shalyn Rodriguez Sample Received By:

Sample ID: BH - 5 15-20' (H224619-26)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/05/2022	ND	1.99	99.5	2.00	6.20	
Toluene*	3.64	0.200	10/05/2022	ND	1.95	97.4	2.00	7.19	
Ethylbenzene*	7.91	0.200	10/05/2022	ND	1.88	94.2	2.00	6.34	
Total Xylenes*	17.3	0.600	10/05/2022	ND	5.75	95.8	6.00	6.03	
Total BTEX	28.8	1.20	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	216	50.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	2490	50.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	313	50.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	138	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	250	% 46.3-17	8						

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10/04/2022

Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Sampling Date:

Reported: 10/06/2022 Sampling Type: Soil

Project Name: MALLON 33 FED #4 Sampling Condition: ** (See Notes)

Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: CIMAREX

Sample ID: BH - 6 0-5' (H224619-29)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.05	102	2.00	3.30	
Toluene*	<0.050	0.050	10/05/2022	ND	2.19	109	2.00	4.43	
Ethylbenzene*	< 0.050	0.050	10/05/2022	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.99	99.9	6.00	6.38	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	98.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119	% 46.3-17	78						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 5-10' (H224619-30)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.05	102	2.00	3.30	
Toluene*	<0.050	0.050	10/05/2022	ND	2.19	109	2.00	4.43	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.99	99.9	6.00	6.38	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	14.8	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	95.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022

Reported: 10/06/2022
Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN

Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 10-15' (H224619-31)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a BA: TH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.05	102	2.00	3.30	
Toluene*	<0.050	0.050	10/05/2022	ND	2.19	109	2.00	4.43	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.99	99.9	6.00	6.38	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	13.5	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	89.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

Applyzod By: 1H

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

 Received:
 10/04/2022
 Sampling Date:
 10/04/2022

 Reported:
 10/06/2022
 Sampling Type:
 Soil

Project Name: MALLON 33 FED #4 Sampling Condition: ** (See Notes)

Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 1H

Project Location: CIMAREX

Sample ID: BH - 6 15-20' (H224619-32)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a BA: TH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.05	102	2.00	3.30	
Toluene*	<0.050	0.050	10/05/2022	ND	2.19	109	2.00	4.43	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.99	99.9	6.00	6.38	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	14.8	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	94.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114	% 46.3-17	8						

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Analytical Results For:

H & R ENTERPRISES MICHAEL COLLIER 1010 GAMBLIN ROAD HOBBS NM, 88240 Fax To: NONE

Received: 10/04/2022 Reported: 10/06/2022

Project Name: MALLON 33 FED #4
Project Number: NONE GIVEN
Project Location: CIMAREX

Sampling Date: 10/04/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 25' (H224619-33)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.05	102	2.00	3.30	
Toluene*	<0.050	0.050	10/05/2022	ND	2.19	109	2.00	4.43	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.00	100	2.00	5.68	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.99	99.9	6.00	6.38	
Total BTEX	<0.300	0.300	10/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/05/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	90.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Pg 2014

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

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Yes Yes
No Corrected Temp.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Mallon 33 Federal #4 SDG NUMBER Lea Co, NM

JOB NUMBER

880-22272-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

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

Client: Carmona Resources

Laboratory Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	35
QC Sample Results	38
QC Association Summary	48
Lab Chronicle	57
Certification Summary	69
Method Summary	70
Sample Summary	71
Chain of Custody	72
Receint Checklists	76

Definitions/Glossary

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 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

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

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. 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 Colony Forming Unit CFU 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)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI 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

Practical Quantitation Limit PQL

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

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Job ID: 880-22272-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-22272-1

Receipt

The samples were received on 12/5/2022 12:00 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 4.7°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (22') (880-22272-1), CS-2 (22') (880-22272-2), CS-3 (22') (880-22272-3), CS-4 (22') (880-22272-4), CS-5 (22') (880-22272-5), CS-6 (22') (880-22272-6), CS-7 (22') (880-22272-7), CS-8 (22') (880-22272-8), CS-9 (22') (880-22272-9), CS-10 (15') (880-22272-10), CS-11 (15') (880-22272-11), CS-12 (15') (880-22272-12), SW-1 (22') (880-22272-13), SW-2 (22') (880-22272-14), SW-3 (22') (880-22272-15), SW-4 (22') (880-22272-16), SW-5 (22') (880-22272-17), SW-6 (22') (880-22272-18), SW-7 (22') (880-22272-19), SW-8 (22') (880-22272-20), SW-9 (22') (880-22272-21), SW-10 (22') (880-22272-22), SW-11 (22') (880-22272-23), SW-12 (22') (880-22272-24), SW-13 (22') (880-22272-25), SW-14 (22') (880-22272-26), SW-15 (22') (880-22272-27), SW-16 (22') (880-22272-28), SW-17 (7') (880-22272-29), SW-18 (7') (880-22272-30), SW-19 (15') (880-22272-31), SW-20 (15') (880-22272-32), SW-21 (15') (880-22272-33), SW-22 (15') (880-22272-34), SW-23 (15') (880-22272-35), SW-24 (15') (880-22272-36) and SW-25 (15') (880-22272-37).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40902 and analytical batch 880-41033 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-41044 and analytical batch 880-41043 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-2 (22') (880-22272-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-3 (22') (880-22272-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41070 and analytical batch 880-41043 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22272-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41044 and analytical batch 880-41043 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-17 (7') (880-22272-29). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-41044 and analytical batch 880-41043 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-2 (22') (880-22272-2), CS-3 (22')

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Case Narrative

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Job ID: 880-22272-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-22272-3), CS-4 (22') (880-22272-4), CS-10 (15') (880-22272-10), CS-11 (15') (880-22272-11), CS-12 (15') (880-22272-12), SW-4 (22') (880-22272-16), SW-5 (22') (880-22272-17), SW-6 (22') (880-22272-18), SW-7 (22') (880-22272-19) and SW-8 (22') (880-22272-20). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-41084 and analytical batch 880-40987 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-40987/31), (CCV 880-40987/47), (CCV 880-40987/58), (LCS 880-41084/2-A) and (LCSD 880-41084/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SW-9 (22') (880-22272-21), SW-10 (22') (880-22272-22), SW-11 (22') (880-22272-23), SW-12 (22') (880-22272-24), SW-13 (22') (880-22272-25), SW-14 (22') (880-22272-26), SW-15 (22') (880-22272-27), SW-16 (22') (880-22272-28), SW-17 (7') (880-22272-29), SW-18 (7') (880-22272-30), SW-19 (15') (880-22272-31), SW-20 (15') (880-22272-32), SW-21 (15') (880-22272-33), SW-22 (15') (880-22272-34), SW-23 (15') (880-22272-35), SW-24 (15') (880-22272-36), SW-25 (15') (880-22272-37), (880-22272-A-21-H MS) and (880-22272-A-21-I MSD). Evidence of matrix interference is present: therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: CS-1 (22') Lab Sample ID: 880-22272-1 Date Collected: 12/05/22 00:00

Matrix: Solid

Analyte		Compound Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg	_ =	12/05/22 14:23	12/05/22 20:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 20:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 20:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/05/22 20:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 20:14	1
Xylenes, Total	< 0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/05/22 20:14	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75	70 - 130	12/05/22 14:23	12/05/22 20:14	1
1 /-Diffuorobenzene (Surr)	106	70 130	12/05/22 11.23	12/05/22 20:14	1

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Total BTEX	<0.00402 U	0.00402	mg/Kg			12/06/22 11:44	1

Method: SW846 8015 NM - Die	sel Range (Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.1		50.0		mg/Kg			12/06/22 09:41	1

Method: SW846 801	5B NM - Diesel R	Range (Organics	(DRO) (GC)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	mg/Kg		12/05/22 15:03	12/05/22 21:32	1
Diesel Range Organics (Over C10-C28)	71.1	50.0	mg/Kg		12/05/22 15:03	12/05/22 21:32	1
OII Range Organics (Over C28-C36)	<50.0 U	50.0	mg/Kg		12/05/22 15:03	12/05/22 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	12/05/22 15:03	12/05/22 21:32	1
o-Terphenyl	120		70 - 130	12/05/22 15:03	12/05/22 21:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.7		4.99		mg/Kg			12/05/22 22:46	1

Client Sample ID: CS-2 (22') Lab Sample ID: 880-22272-2

112

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

Mothod: CMO16 0021D	Valatila Organia Campaunda (C)	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 20:34	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 20:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 20:34	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/05/22 14:23	12/05/22 20:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 20:34	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/05/22 14:23	12/05/22 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				12/05/22 14:23	12/05/22 20:34	1

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12/05/22 14:23 12/05/22 20:34

70 - 130

1,4-Difluorobenzene (Surr)

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: CS-2 (22') Lab Sample ID: 880-22272-2

Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/06/22 11:44	1
- Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.0		49.9		mg/Kg			12/06/22 09:41	1
- Method: SW846 8015B NM - D	iesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/05/22 22:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	69.0		49.9		mg/Kg		12/05/22 15:03	12/05/22 22:38	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/05/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				12/05/22 15:03	12/05/22 22:38	1
o-Terphenyl	142	S1+	70 - 130				12/05/22 15:03	12/05/22 22:38	1
Method: MCAWW 300.0 - Anio	ons. Ion Chr	omatograi	ohv - Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.5		4.96		mg/Kg		<u> </u>	12/05/22 23:06	

Client Sample ID: CS-3 (22') Lab Sample ID: 880-22272-3 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received.	12/05/22 00.00	

Released to Imaging: 12/21/2022 1:56:34 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 09:51	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 09:51	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				12/05/22 13:13	12/06/22 09:51	
1,4-Difluorobenzene (Surr)	93		70 - 130				12/05/22 13:13	12/06/22 09:51	
Method: TAL SOP Total B1	EX - Total BTE	X Calculat	ion						
Method: TAL SOP Total B1 Analyte	Result	Qualifier	ion RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/06/22 10:52	Dil Fa
Analyte Total BTEX	<0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>	Prepared		Dil Fa
Analyte Total BTEX Method: SW846 8015 NM -	Result <0.00398 Diesel Range	Qualifier U	RL 0.00398			<u>D</u>	Prepared Prepared		
Analyte	Result <0.00398 Diesel Range	Qualifier U Organics (Qualifier	RL 0.00398 DRO) (GC)		mg/Kg	_ =		12/06/22 10:52	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Analyte	Result <0.00398	Qualifier U Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 49.9		mg/Kg Unit	_ =		12/06/22 10:52 Analyzed	
Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	Piesel Range (Result 49.9) - Diesel Range (Result 49.9)	Qualifier U Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 49.9		mg/Kg Unit mg/Kg	_ =		12/06/22 10:52 Analyzed	
Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	Piesel Range (Result 49.9) - Diesel Range (Result 49.9)	Qualifier U Organics (Qualifier U Organics Qualifier U	RL 0.00398 DRO) (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u></u> <u>D</u>	Prepared	12/06/22 10:52 Analyzed 12/06/22 09:41	Dil Fa

SDG: Lea Co, NM

Client Sample ID: CS-3 (22')

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-3 Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/05/22 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				12/05/22 15:03	12/05/22 23:00	1
o-Terphenyl	142	S1+	70 - 130				12/05/22 15:03	12/05/22 23:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 64.9 5.02 12/05/22 23:12 Chloride mg/Kg

Client Sample ID: CS-4 (22') Lab Sample ID: 880-22272-4 Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte MDL Unit Dil Fac RL Prepared Analyzed Benzene <0.00199 U 0.00199 12/05/22 14:23 12/05/22 21:15 mg/Kg Toluene <0.00199 U 0.00199 mg/Kg 12/05/22 14:23 12/05/22 21:15 Ethylbenzene <0.00199 U 0.00199 mg/Kg 12/05/22 14:23 12/05/22 21:15 m-Xylene & p-Xylene 12/05/22 14:23 12/05/22 21:15 <0.00398 U 0.00398 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 12/05/22 14:23 12/05/22 21:15 0.00398 Xylenes, Total <0.00398 U mg/Kg 12/05/22 14:23 12/05/22 21:15 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 95 70 - 130 12/05/22 14:23 12/05/22 21:15 1,4-Difluorobenzene (Surr) 108 70 - 130 12/05/22 14:23 12/05/22 21:15

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RI MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 mg/Kg 12/06/22 11:44

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac **Total TPH** 60.6 50.0 mg/Kg 12/06/22 09:41 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 Gasoline Range Organics mg/Kg 12/05/22 15:03 12/05/22 23:22 (GRO)-C6-C10 **Diesel Range Organics (Over** 50.0 mg/Kg 12/05/22 15:03 12/05/22 23:22 60.6 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 12/05/22 15:03 12/05/22 23:22 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

1-Chlorooctane S1+ 70 - 130 12/05/22 15:03 12/05/22 23:22 143 139 S1+ 12/05/22 15:03 12/05/22 23:22 o-Terphenyl 70 - 130

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac Chloride 63.2 5.03 mg/Kg 12/05/22 23:19

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Lab Sample ID: 880-22272-5

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Client Sample ID: CS-5 (22')

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			Matrix:	Solid	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	-
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/22 14:23	12/05/22 21:35	· · · · · · · · ·
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/22 14:23	12/05/22 21:35	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		70 - 130				12/05/22 14:23	12/05/22 21:35	
1,4-Difluorobenzene (Surr)	106		70 - 130				12/05/22 14:23	12/05/22 21:35	•
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/06/22 11:44	•
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)						
		Organics (Qualifier	DRO) (GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		•	, , ,	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/06/22 09:41	
Analyte Total TPH	Result 68.6	Qualifier	RL 50.0	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - [Result 68.6 Diesel Range	Qualifier	RL 50.0			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics	Result 68.6 Diesel Range	Qualifier Organics Qualifier	RL 50.0 (DRO) (GC)		mg/Kg	_ =	<u> </u>	12/06/22 09:41	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 68.6 Diesel Range Result	Qualifier Organics Qualifier	RL		mg/Kg	_ =	Prepared	12/06/22 09:41 Analyzed 12/05/22 23:44	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 68.6 Diesel Range Result <50.0	Qualifier Organics Qualifier U	RL 50.0 (DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03	12/06/22 09:41 Analyzed 12/05/22 23:44	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Description of the state o	Result 68.6 Diesel Range Result <50.0 68.6	Qualifier Organics Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03	12/06/22 09:41 Analyzed 12/05/22 23:44 12/05/22 23:44	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 68.6 Diesel Range Result <50.0 68.6 <50.0	Qualifier Organics Qualifier U	RL 50.0 (DRO) (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03	Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 68.6 Diesel Range Result <50.0 68.6 <50.0 %Recovery	Qualifier Organics Qualifier U	RL 50.0 (DRO) (GC) RL 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	12/06/22 09:41 Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 68.6	Qualifier Organics Qualifier U Qualifier	RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44 Analyzed 12/05/22 23:44	Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anic Analyte	Result 68.6 Color	Qualifier Organics Qualifier U Qualifier	RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44 Analyzed 12/05/22 23:44	Dil Fac

Client Sample ID: CS-6 (22') Lab Sample ID: 880-22272-6 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 21:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 21:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 21:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/05/22 21:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/05/22 21:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/05/22 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				12/05/22 14:23	12/05/22 21:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/05/22 14:23	12/05/22 21:56	1

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: CS-6 (22') Lab Sample ID: 880-22272-6

Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/06/22 11:44	
Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	77.8		50.0		mg/Kg			12/06/22 09:41	
Method: SW846 8015B NM - D	Diesel Range	organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 00:05	-
(GRO)-C6-C10									
Diesel Range Organics (Over	77.8		50.0		mg/Kg		12/05/22 15:03	12/06/22 00:05	•
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 00:05	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	129		70 - 130				12/05/22 15:03	12/06/22 00:05	
o-Terphenyl	128		70 - 130				12/05/22 15:03	12/06/22 00:05	

Analyte Result Qualifier MDL Unit Prepared Analyzed RL 12/05/22 23:46 Chloride 5.02 82.8 mg/Kg

Client Sample ID: CS-7 (22') Date Collected: 12/05/22 00:00

Released to Imaging: 12/21/2022 1:56:34 PM

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 22:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 22:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 22:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/05/22 14:23	12/05/22 22:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/05/22 22:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/05/22 14:23	12/05/22 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				12/05/22 14:23	12/05/22 22:16	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/05/22 14:23	12/05/22 22:16	1
- 1,4-Dinagrobenzene (Garr)	700		70 - 130				12/03/22 14.23	12/00/22 22:10	,
Method: TAL SOP Total B1	EX - Total BTE	X Calculat Qualifier		MDL	Unit	D	Prepared	Analyzed	•
Method: TAL SOP Total BT Analyte Total BTEX	EX - Total BTE	Qualifier	tion	MDL	Unit mg/Kg	<u>D</u>			•
Method: TAL SOP Total B1 Analyte Total BTEX	TEX - Total BTE Result <0.00404	Qualifier U	RL 0.00404	MDL		<u>D</u>		Analyzed	•
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	TEX - Total BTE Result <0.00404 Diesel Range	Qualifier U	RL 0.00404	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	TEX - Total BTE Result <0.00404 Diesel Range	Qualifier U Organics (Qualifier	RL 0.00404 —		mg/Kg	=	Prepared	Analyzed 12/06/22 11:44	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	TEX - Total BTE Result <0.00404 Diesel Range Result <49.8	Qualifier U Organics (Qualifier U	DRO) (GC) RL 49.8		mg/Kg Unit	=	Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	TEX - Total BTE Result <0.00404 Diesel Range Result <49.8 I - Diesel Range	Qualifier U Organics (Qualifier U	DRO) (GC) RL 49.8	MDL	mg/Kg Unit	=	Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fac
Method: TAL SOP Total B1 Analyte	TEX - Total BTE Result <0.00404 Diesel Range Result <49.8 I - Diesel Range	Qualifier U Organics (Qualifier U Organics (Qualifier U	DRO) (GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u></u> <u>D</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 09:41	Dil Fac

Eurofins Midland

Lab Sample ID: 880-22272-7

Matrix: Solid

Date Received: 12/05/22 00:00

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: CS-7 (22') Lab Sample ID: 880-22272-7 Date Collected: 12/05/22 00:00

Matrix: Solid

Method: SW846 8015B NM - E	Diesel Range	e Organics	(DRO) (GC)	(Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/22 15:03	12/06/22 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				12/05/22 15:03	12/06/22 00:27	1
o-Terphenyl	130		70 - 130				12/05/22 15:03	12/06/22 00:27	1

Method: MCAWW 300.0 - Anio	ns, Ion Chr	omatograp	hy - Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.2		5.04		mg/Kg			12/05/22 23:52	1

Lab Sample ID: 880-22272-8 Client Sample ID: CS-8 (22') Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 22:37	1
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 22:37	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 22:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/05/22 22:37	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 22:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/05/22 22:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				12/05/22 14:23	12/05/22 22:37	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/05/22 14:23	12/05/22 22:37	1

Method: IAL SOP Total BTEX -	lotal B I F	x Calculati	on						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 11:44	1
_									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 09:41	1
Method: SW846 8015B NM - Die	sel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 00:48	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 00:48	1
C10-C28)									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	12/05/22 15:03	12/06/22 00:48	1
o-Terphenyl	127		70 - 130	12/05/22 15:03	12/06/22 00:48	1

	Method: MCAWW 300.0 - Anion	ns, Ion Chr	omatograp	hy - Soluble	9					
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	17.4		4.97		mg/Kg			12/05/22 23:59	1

SDG: Lea Co, NM

Client Sample ID: CS-9 (22')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-9

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 22:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 22:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 22:57	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399		mg/Kg		12/05/22 14:23	12/05/22 22:57	1
o-Xylene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 22:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 14:23	12/05/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				12/05/22 14:23	12/05/22 22:57	-
1,4-Difluorobenzene (Surr)	106		70 - 130				12/05/22 14:23	12/05/22 22:57	1
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 11:44	1
Method: SW846 8015 NM - Di									
IVIELLIUU. 377040 OU IƏ IVIVI - DI	esel Range (Organics (DRO) (GC)						
		Organics (Qualifier	DRO) (GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	, , ,	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/06/22 09:41	
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - [Result <50.0	Qualifier U	RL 50.0			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics	Result <50.0	Qualifier U Organics Qualifier	RL 50.0 (DRO) (GC)		mg/Kg			12/06/22 09:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Ciesel Range Result	Qualifier U Organics Qualifier U	50.0 (DRO) (GC) RL		mg/Kg		Prepared	12/06/22 09:41 Analyzed 12/06/22 01:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 Diesel Range Result <50.0	Qualifier U Organics Qualifier U	RL 50.0 (DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 12/05/22 15:03	12/06/22 09:41 Analyzed 12/06/22 01:10 12/06/22 01:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 Diesel Range Result <50.0 <50.0	Qualifier U Organics Qualifier U U	RL 50.0 (DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:03 12/05/22 15:03	12/06/22 09:41 Analyzed 12/06/22 01:10 12/06/22 01:10	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U Organics Qualifier U U	RL 50.0 (DRO) (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03	Analyzed 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10	Dil Face
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U Organics Qualifier U U	RL 50.0 (DRO) (GC) RL 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0	Qualifier U Organics Qualifier U U U Qualifier	RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10 Analyzed 12/06/22 01:10	Dil Face
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anic Analyte	Result <50.0	Qualifier U Organics Qualifier U U U Qualifier	RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10 12/06/22 01:10 Analyzed 12/06/22 01:10	Dil Fac

Client Sample ID: CS-10 (15') Lab Sample ID: 880-22272-10 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 23:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 23:17	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 23:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/05/22 23:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 23:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/05/22 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				12/05/22 14:23	12/05/22 23:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/05/22 14:23	12/05/22 23:17	1

Job ID: 880-22272-1 SDG: Lea Co, NM

Lab Sample ID: 880-22272-11

Matrix: Solid

Client: Carmona Resources Project/Site: Mallon 33 Federal #4

Client Sample ID: CS-10 (15') Lab Sample ID: 880-22272-10 Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 11:44	1
	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 09:41	1
Method: SW846 8015B NM - D Analyte Gasoline Range Organics		Qualifier	(DRO) (GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/05/22 15:03	Analyzed 12/06/22 01:32	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 01:32	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				12/05/22 15:03	12/06/22 01:32	1
o-Terphenyl	135	S1+	70 - 130				12/05/22 15:03	12/06/22 01:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte **MDL** Unit Prepared Analyzed Dil Fac 4.99 12/06/22 00:12 Chloride 37.1 mg/Kg

Client Sample ID: CS-11 (15')

Date Collected: 12/05/22 00:00

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 01:07	1
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 01:07	1
Ethylbenzene	0.00384		0.00199		mg/Kg		12/05/22 14:23	12/06/22 01:07	1
m-Xylene & p-Xylene	0.00794		0.00398		mg/Kg		12/05/22 14:23	12/06/22 01:07	1
o-Xylene	0.00466		0.00199		mg/Kg		12/05/22 14:23	12/06/22 01:07	1
Xylenes, Total	0.0126		0.00398		mg/Kg		12/05/22 14:23	12/06/22 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				12/05/22 14:23	12/06/22 01:07	1
4 4 Difference have a control	440							10/00/00 01 07	-
	112 EX - Total BTE	X Calculat	70 - 130 ion				12/05/22 14:23	12/06/22 01:07	7
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX	EX - Total BTE Result 0.0164	Qualifier	ion RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	12/05/22 14:23 Prepared	Analyzed 12/06/22 11:44	,
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	EX - Total BTE Result 0.0164 Diesel Range	Qualifier Organics (ion RL 0.00398 DRO) (GC)		mg/Kg		Prepared	Analyzed 12/06/22 11:44	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	EX - Total BTE Result 0.0164 Diesel Range (Result	Qualifier Organics (Qualifier	RL 0.00398 DRO) (GC) RL	MDL MDL	mg/Kg	<u>D</u>		Analyzed 12/06/22 11:44 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	EX - Total BTE Result 0.0164 Diesel Range	Qualifier Organics (Qualifier	ion RL 0.00398 DRO) (GC)		mg/Kg		Prepared	Analyzed 12/06/22 11:44	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	EX - Total BTE Result 0.0164 Diesel Range Result <50.0	Qualifier Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 50.0		mg/Kg Unit		Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result 0.0164 Diesel Range Result <50.0 - Diesel Range	Qualifier Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result 0.0164 Diesel Range Result <50.0 - Diesel Range	Qualifier Organics (Qualifier U Organics Qualifier	DRO) (GC) RL 50.0 (DRO) (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 09:41	Dil Fac

Client: Carmona Resources

Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Client Sample ID: CS-11 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL U	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	r	mg/Kg		12/05/22 15:03	12/06/22 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				12/05/22 15:03	12/06/22 02:14	1
o-Terphenyl	146	S1+	70 - 130				12/05/22 15:03	12/06/22 02:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Prepared Analyzed Chloride 35.4 5.04 mg/Kg 12/06/22 00:19

Client Sample ID: CS-12 (15') Lab Sample ID: 880-22272-12 Date Collected: 12/05/22 00:00

Matrix: Solid Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 01:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 01:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 01:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/05/22 14:23	12/06/22 01:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 01:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/05/22 14:23	12/06/22 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				12/05/22 14:23	12/06/22 01:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/05/22 14:23	12/06/22 01:27	1

Method: IAL SOP Total BTEX -	lotal BIE	x Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/06/22 11:44	1

	Method: SW846 8015 NM - Die	sel Range (Organics (D	RO) (GC)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 09:41	1
ì	_									

Method: SW846 8015B NM - D Analyte	_	Organics Qualifier	(DRO) (GC)	MDL Un	nit	D Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg	g/Kg	12/05/22 15:03	12/06/22 02:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg	g/Kg	12/05/22 15:03	12/06/22 02:36	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg	g/Kg	12/05/22 15:03	12/06/22 02:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130			12/05/22 15:03	12/06/22 02:36	1
o-Terphenyl	143	S1+	70 - 130			12/05/22 15:03	12/06/22 02:36	1

Method: MCAWW 300.0 - Anio	ns, Ion Chr	omatograp	hy - Soluble)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		5.02		mg/Kg			12/06/22 00:39	1

Eurofins Midland

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-1 (22') Lab Sample ID: 880-22272-13

Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	
Toluene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/06/22 01:48	
o-Xylene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/06/22 01:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	81		70 - 130				12/05/22 14:23	12/06/22 01:48	
1,4-Difluorobenzene (Surr)	107		70 - 130				12/05/22 14:23	12/06/22 01:48	•
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/06/22 11:44	
Method: SW846 8015 NM - Die	esel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 09:41	-
Method: SW846 8015B NM - D	iesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 02:57	,
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 02:57	,
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 02:57	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	127		70 - 130				12/05/22 15:03	12/06/22 02:57	-
o-Terphenyl	125		70 - 130				12/05/22 15:03	12/06/22 02:57	•
Method: MCAWW 300.0 - Anic	ons, Ion Chr	omatogra	phy - Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorida	40.7		F 04						

5.04 12/06/22 00:46 Chloride 13.7 mg/Kg

Client Sample ID: SW-2 (22') Lab Sample ID: 880-22272-14 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 02:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 02:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 02:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/05/22 14:23	12/06/22 02:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 02:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/05/22 14:23	12/06/22 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130				12/05/22 14:23	12/06/22 02:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/05/22 14:23	12/06/22 02:08	1

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-2 (22') Lab Sample ID: 880-22272-14 Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/06/22 11:44	1
Method: SW846 8015 NM - Die	esel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/06/22 09:41	1
Method: SW846 8015B NM - DANAINTE Gasoline Range Organics	_	Qualifier	(DRO) (GC) RL 49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/05/22 15:03	Analyzed 12/06/22 03:19	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.8 <49.8		49.8 49.8		mg/Kg		12/05/22 15:03 12/05/22 15:03	12/06/22 03:19 12/06/22 03:19	1
Surrogate	%Recovery		Limits		1119/119		Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/05/22 15:03	12/06/22 03:19	1
o-Terphenyl	123		70 - 130				12/05/22 15:03	12/06/22 03:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier **MDL** Unit Prepared Analyzed Chloride 11.3 5.00 12/06/22 01:06 mg/Kg

Client Sample ID: SW-3 (22') Lab Sample ID: 880-22272-15 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/06/22 02:29	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/06/22 02:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	87		70 - 130				12/05/22 14:23	12/06/22 02:29	
			70 - 130 tion				12/05/22 14:23	12/06/22 02:29	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT	EX - Total BTE		tion	MDI	11-24				
	EX - Total BTE	Qualifier		MDL	Unit mg/Kg	D	12/05/22 14:23 Prepared	12/06/22 02:29 Analyzed 12/06/22 11:44	Dil Fa
Method: TAL SOP Total BT Analyte	EX - Total BTE Result	Qualifier	tion RL	MDL	Unit mg/Kg	<u>D</u>		Analyzed	
Method: TAL SOP Total BT Analyte Total BTEX	TEX - Total BTE Result <0.00398	Qualifier U	RL	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	EX - Total BTE Result <0.00398 Diesel Range 0	Qualifier U	RL			<u>D</u>		Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte	EX - Total BTE Result <0.00398 Diesel Range 0	Qualifier U Organics (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 12/06/22 11:44	
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result <0.00398 Diesel Range (Result <50.0	Qualifier U Organics (Qualifier U	RL 0.00398		mg/Kg Unit		Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result <0.00398 Diesel Range (Result <50.0	Qualifier U Organics (Qualifier U Organics (RL 0.00398		mg/Kg Unit		Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result <0.00398 Diesel Range (Result <50.0	Qualifier U Organics (Qualifier U	RL 0.00398	MDL	mg/Kg Unit		Prepared	Analyzed 12/06/22 11:44 Analyzed	Dil Fa
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	EX - Total BTE Result <0.00398 Diesel Range (Result <50.0	Qualifier U Organics (Qualifier U Organics (Qualifier Qualifier	tion RL 0.00398 (DRO) (GC) RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 09:41	Dil Fa

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-3 (22')

Lab Sample ID: 880-22272-15

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

Method: SW846 8015B NM - D	iesel 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		12/05/22 15:03	12/06/22 03:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130			12/05/22 15:03	12/06/22 03:40	1
o-Terphenyl	124		70 - 130			12/05/22 15:03	12/06/22 03:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	12.6		5.00		mg/Kg			12/06/22 01:12	1

Lab Sample ID: 880-22272-16 Client Sample ID: SW-4 (22') Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier **Analyte** MDL Unit Prepared Dil Fac RL Analyzed mg/Kg Benzene <0.00200 U 0.00200 12/05/22 14:23 12/06/22 02:49 Toluene <0.00200 U 0.00200 mg/Kg 12/05/22 14:23 12/06/22 02:49 Ethylbenzene <0.00200 U 0.00200 mg/Kg 12/05/22 14:23 12/06/22 02:49 m-Xylene & p-Xylene 0.00399 12/05/22 14:23 12/06/22 02:49 <0.00399 U mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 12/05/22 14:23 12/06/22 02:49 0.00399 Xylenes, Total <0.00399 U mg/Kg 12/05/22 14:23 12/06/22 02:49 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 91 70 - 130 12/05/22 14:23 12/06/22 02:49 1,4-Difluorobenzene (Surr) 111 70 - 130 12/05/22 14:23 12/06/22 02:49

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 11:44	1

Method: 544846 8015 NW - Dies	ei Range (Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 09:41	1
			(550) (60)						

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 04:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 04:02	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				12/05/22 15:03	12/06/22 04:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	11.4		5.04		mg/Kg			12/06/22 01:19	1

70 - 130

144 S1+

Eurofins Midland

12/05/22 15:03 12/06/22 04:02

o-Terphenyl

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-5 (22') Lab Sample ID: 880-22272-17

Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 03:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 03:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 03:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/05/22 14:23	12/06/22 03:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:23	12/06/22 03:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/05/22 14:23	12/06/22 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				12/05/22 14:23	12/06/22 03:09	
1,4-Difluorobenzene (Surr)	103		70 - 130				12/05/22 14:23	12/06/22 03:09	1
Method: TAL SOP Total BTEX	C - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/06/22 11:44	1
Method: SW846 8015 NM - Di	ocol Pango	Organics (DDO\ (00\						
	esei italiye i	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	, , ,	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/06/22 09:41	
Analyte Total TPH	Result <49.9	Qualifier U Organics	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - E Analyte	Result <49.9 Diesel Range Result	Qualifier U Organics Qualifier	49.9 (DRO) (GC) RL			<u>D</u>	Prepared Prepared	12/06/22 09:41 Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics	Result <49.9	Qualifier U Organics Qualifier	RL 49.9 (DRO) (GC)		mg/Kg	_ =		12/06/22 09:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 Diesel Range Result	Qualifier U Organics Qualifier U	49.9 (DRO) (GC) RL		mg/Kg	_ =	Prepared 12/05/22 15:03	12/06/22 09:41 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 Diesel Range Result <49.9	Qualifier U Organics Qualifier U	RL 49.9 (DRO) (GC) RL 49.9		mg/Kg Unit mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03	12/06/22 09:41 Analyzed 12/06/22 04:23	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 Diesel Range Result <49.9 <49.9 <49.9 <49.9	Qualifier U Organics Qualifier U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03	12/06/22 09:41 Analyzed 12/06/22 04:23 12/06/22 04:23	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U Organics Qualifier U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03	Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U Organics Qualifier U U	RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	12/06/22 09:41 Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U Organics Qualifier U U U Qualifier S1+	RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23 Analyzed 12/06/22 04:23	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: MCAWW 300.0 - Anic Analyte	Result <49.9	Qualifier U Organics Qualifier U U U Qualifier S1+	RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:03 12/05/22 15:03 12/05/22 15:03 Prepared 12/05/22 15:03	Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23 Analyzed 12/06/22 04:23	Dil Fac

Client Sample ID: SW-6 (22') Lab Sample ID: 880-22272-18 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 03:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 03:30	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 03:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/06/22 03:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 03:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/06/22 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/05/22 14:23	12/06/22 03:30	1
1,4-Difluorobenzene (Surr)	118		70 - 130				12/05/22 14:23	12/06/22 03:30	1

SDG: Lea Co, NM

Client Sample ID: SW-6 (22')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 11:44	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			12/06/22 09:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 04:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 04:45	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	7₀Recovery	Qualifier	LIIIIII	Prepareu	Allalyzeu	DII Fac
1-Chlorooctane	159	S1+	70 - 130	12/05/22 15:03	12/06/22 04:45	1
o-Terphenyl	157	S1+	70 - 130	12/05/22 15:03	12/06/22 04:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.5		5.02	mg/K	g		12/06/22 01:32	1

Client Sample ID: SW-7 (22')

Lab Sample ID: 880-22272-19 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Released to Imaging: 12/21/2022 1:56:34 PM

Method:	SW846	8021B	-	Volatile	Org	janic	C	Con	npo	ounds	(GC	:)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 03:50	1
Toluene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 03:50	1
Ethylbenzene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 03:50	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399		mg/Kg		12/05/22 14:23	12/06/22 03:50	1
o-Xylene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 03:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 14:23	12/06/22 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/05/22 14:23	12/06/22 03:50	1
1.4-Difluorobenzene (Surr)	116		70 - 130				12/05/22 14:23	12/06/22 03:50	1

|--|

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			12/06/22 11:44	1

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

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 09:41	1	

Method: SW846 8	OAED NIM	Discal Bangs	Ormaniaa	(DBO) (CC)	
Method: SWX46 X	.015B NW -	- Diesei Kande	Organics	(I)R()) (G()	

Method: SW846 8015B NW - I	Diesei Range Organics (DRO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	mg/Kg		12/05/22 15:03	12/06/22 05:06	1
Diesel Range Organics (Over C10-C28)	<50.0 U	50.0	mg/Kg		12/05/22 15:03	12/06/22 05:06	1

Client: Carmona Resources Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Client Sample ID: SW-7 (22')

Lab Sample ID: 880-22272-19

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0	n	ng/Kg		12/05/22 15:03	12/06/22 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				12/05/22 15:03	12/06/22 05:06	1
o-Terphenyl	139	S1+	70 - 130				12/05/22 15:03	12/06/22 05:06	1

Prepared Analyzed Dil Fac 12/06/22 01:39

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Chloride 16.7 4.99 mg/Kg

Client Sample ID: SW-8 (22') Lab Sample ID: 880-22272-20 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 04:11	1
Toluene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 04:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 04:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/06/22 04:11	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 04:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/06/22 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				12/05/22 14:23	12/06/22 04:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/05/22 14:23	12/06/22 04:11	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/06/22 11:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 09:41	1
Method: SW846 8015B NM - D	iesel Range	Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 05:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 05:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 05:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				12/05/22 15:03	12/06/22 05:28	1
o-Terphenyl	134	S1+	70 - 130				12/05/22 15:03	12/06/22 05:28	1

RL

4.96

MDL Unit

mg/Kg

Prepared

Eurofins Midland

Analyzed

12/06/22 01:46

Result Qualifier

11.2

Dil Fac

Analyte

Chloride

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-9 (22') Lab Sample ID: 880-22272-21

Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/05/22 14:10	12/06/22 07:48	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		12/05/22 14:10	12/06/22 07:48	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		12/05/22 14:10	12/06/22 07:48	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		12/05/22 14:10	12/06/22 07:48	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		12/05/22 14:10	12/06/22 07:48	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		12/05/22 14:10	12/06/22 07:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				12/05/22 14:10	12/06/22 07:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/05/22 14:10	12/06/22 07:48	1
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	-0.00404	П	0.00401		mg/Kg			12/06/22 11:44	
Total BTEX	<0.00401	U	0.00401		mg/rtg			12/00/22 11:44	
_ _					mg/rtg			12/00/22 11.44	·
Total BTEX Method: SW846 8015 NM - Di Analyte	esel Range (MDL		D	Prepared	Analyzed	Dil Fac
_ Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Di Analyte	esel Range (Result <50.0	Organics (Qualifier	DRO) (GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH	esel Range (Result <50.0	Organics (Qualifier	DRO) (GC) RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - I Analyte Gasoline Range Organics	esel Range (Result <50.0	Organics (Qualifier U Organics Qualifier Qualifier	DRO) (GC) RL 50.0 (DRO) (GC)		Unit mg/Kg		<u> </u>	Analyzed 12/06/22 10:09	Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range (Result <50.0 Ciesel Range (Result	Organics (Qualifier U Organics Qualifier U	DRO) (GC) RL 50.0 (DRO) (GC) RL		Unit mg/Kg		Prepared 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed	Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10	esel Range (Result <50.0 Diesel Range Result <50.0	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 50.0 (DRO) (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed 12/05/22 21:32	Dil Fac Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	esel Range (Result <50.0 Diesel Range Result <50.0 <50.0	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 50.0 (DRO) (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed 12/05/22 21:32 12/05/22 21:32	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	esel Range (Result <50.0 Diesel Range Result <50.0 <50.0 <50.0 %Recovery	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 50.0 (DRO) (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed 12/05/22 21:32 12/05/22 21:32	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0 Diesel Range Result <50.0 <50.0 <50.0 <50.0 %Recovery 137	Organics (Qualifier U Organics Qualifier U U Qualifier	DRO) (GC) RL 50.0 (DRO) (GC) RL 50.0 50.0 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed 12/05/22 21:32 12/05/22 21:32 12/05/22 21:32 Analyzed	Dil Fac Dil Fac 1 Dil Fac Dil Fac
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0 Color	Organics (Qualifier U Organics Qualifier U U U Qualifier S1+ S1+	DRO) (GC) RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed 12/05/22 21:32 12/05/22 21:32 12/05/22 21:32 Analyzed 12/05/22 21:32	Dil Fac 1 Dil Fac 1 1 Dil Fac 1
Method: SW846 8015 NM - Di Analyte Total TPH Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0 Diesel Range Result <50.0 Specific Result <50.0 <50.0 Recovery 137 162 Cons, Ion Chr	Organics (Qualifier U Organics Qualifier U U U Qualifier S1+ S1+	DRO) (GC) RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	Analyzed 12/06/22 10:09 Analyzed 12/05/22 21:32 12/05/22 21:32 12/05/22 21:32 Analyzed 12/05/22 21:32	Dil Fac 1 Dil Fac 1 1 Dil Fac 1

Client Sample ID: SW-10 (22') Lab Sample ID: 880-22272-22 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 08:08	1
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 08:08	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 08:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 08:08	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 08:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 08:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				12/05/22 14:10	12/06/22 08:08	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/05/22 14:10	12/06/22 08:08	1

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-10 (22')

Lab Sample ID: 880-22272-22 Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 11:44	1
- Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 10:09	1
- Method: SW846 8015B NM - D	Diesel Range	organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,				1110	•	_	opa. oa	7 11.1d. y = 0 d	Diriac
Gasoline Range Organics	<49.9		49.9	111111	mg/Kg	_ =	12/05/22 15:06	12/05/22 22:38	1
						_ =			1
Gasoline Range Organics		U				_ =			1
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg	_ =	12/05/22 15:06	12/05/22 22:38	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9	- IIIDE	mg/Kg	_ =	12/05/22 15:06	12/05/22 22:38	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 <49.9	U U	49.9	iii Di	mg/Kg	_ =	12/05/22 15:06 12/05/22 15:06	12/05/22 22:38 12/05/22 22:38	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9 <49.9	U U U Qualifier	49.9 49.9 49.9		mg/Kg	=	12/05/22 15:06 12/05/22 15:06 12/05/22 15:06	12/05/22 22:38 12/05/22 22:38 12/05/22 22:38	1 1 1 Dil Fac

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qua	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7	4.99	mg/Kg			12/06/22 02:59	1

Client Sample ID: SW-11 (22')

Lab Sample ID: 880-22272-23 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/05/22 14:10	12/06/22 08:29	
o-Xylene	< 0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/05/22 14:10	12/06/22 08:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	76		70 - 130				12/05/22 14:10	12/06/22 08:29	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT							12/05/22 14:10		
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte	EX - Total BTE	X Calculat Qualifier		MDL	Unit	D	12/05/22 14:10 Prepared	12/06/22 08:29 Analyzed	Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte	EX - Total BTE	Qualifier	ion	MDL	Unit mg/Kg	<u>D</u>			Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX	TEX - Total BTE Result <0.00403	Qualifier U	RL	MDL		<u>D</u>		Analyzed	Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	EX - Total BTE Result <0.00403 Diesel Range 0	Qualifier U	RL			<u>D</u>		Analyzed	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte	EX - Total BTE Result <0.00403 Diesel Range 0	Qualifier U Organics (Qualifier	RL		mg/Kg	— <u>=</u>	Prepared	Analyzed 12/06/22 11:44	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result <0.00403 Diesel Range (Result <49.9	Qualifier U Organics (Qualifier U	RL 0.00403 DRO) (GC) RL 49.9		mg/Kg Unit	— <u>=</u>	Prepared	Analyzed 12/06/22 11:44 Analyzed	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result <0.00403 Diesel Range (Result <49.9 - Diesel Range	Qualifier U Organics (Qualifier U Organics (DRO) (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 10:09	Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM Analyte	EX - Total BTE Result <0.00403 Diesel Range (Result <49.9 - Diesel Range Result	Qualifier U Organics (Qualifier U Organics (Qualifier Qualifier	DRO) (GC) RL 49.9 (DRO) (GC) RL RL	MDL	mg/Kg Unit mg/Kg Unit	— <u>=</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 10:09 Analyzed	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result <0.00403 Diesel Range (Result <49.9 - Diesel Range	Qualifier U Organics (Qualifier U Organics (Qualifier Qualifier	DRO) (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 10:09	Dil Fa

Client: Carmona Resources Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Client Sample ID: SW-11 (22')

Lab Sample ID: 880-22272-23

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Matrix: Solid

Method: SW846 8015B NM - D	iesel Range	Organics	(DRO) (GC)	(Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/05/22 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				12/05/22 15:06	12/05/22 23:00	1
o-Terphenyl	156	S1+	70 - 130				12/05/22 15:06	12/05/22 23:00	1

MDL Unit

mg/Kg

Prepared Analyzed Dil Fac

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Chloride 16.1 4.98

12/06/22 03:05

Client Sample ID: SW-12 (22') Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-24

Date Received: 12/05/22 00:00

Matrix: Solid

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

Method: SW846 8021B - Vol	atile Organic	Compound	as (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 08:49	1
Toluene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 08:49	1
Ethylbenzene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 08:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/22 14:10	12/06/22 08:49	1
o-Xylene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 08:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 14:10	12/06/22 08:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				12/05/22 14:10	12/06/22 08:49	1

1,4-Difluorobenzene (Surr) 107 70 - 130 12/05/22 14:10 12/06/22 08:49

Method: IAL SOP Total BTEX	· lotal B i E	X Calculati	on						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 11:44	1
_									

Method: SW846 8015 NM - Diese	Range	Organics (D)RO) (GC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			12/06/22 10:09	1

_									
Method: SW846 8015B NM - I Analyte	_	Organics Qualifier	(DRO) (GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 23:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 23:22	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124	-	70 - 130				12/05/22 15:06	12/05/22 23:22	1
o-Terphenyl	154	S1+	70 - 130				12/05/22 15:06	12/05/22 23:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	17.3		5.00		mg/Kg			12/06/22 03:12	1

Client: Carmona Resources Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM Client Sample ID: SW-13 (22') Lab Sample ID: 880-22272-25

Matrix: Solid

	Collecte	•	05/22	00:00
Date	Receive	d: 12/	05/22	00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	- Dill Tu
Toluene	<0.00199		0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	
Ethylbenzene	<0.00199		0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	
m-Xylene & p-Xylene	<0.00398		0.00398		mg/Kg		12/05/22 14:10	12/06/22 09:10	
o-Xylene	0.00214		0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 09:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				12/05/22 14:10	12/06/22 09:10	
1,4-Difluorobenzene (Surr)	101		70 - 130				12/05/22 14:10	12/06/22 09:10	1
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 11:44	1
Method: SW846 8015 NM - Di	ocol Pango	Organice (DPO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	D11 E
Total TPH								Allalyzeu	Dil Fac
	<50.0	U	50.0		mg/Kg	_ =	11000100	12/06/22 10:09	DII Fac
-	<50.0	Ū	50.0						DII Fac
Method: SW846 8015B NM - E						_ =			DII Fac
Method: SW846 8015B NM - D Analyte	Diesel Range						Prepared		Dil Fac
Method: SW846 8015B NM - DANALYTE Gasoline Range Organics	Diesel Range	Organics Qualifier	(DRO) (GC)		mg/Kg		<u> </u>	12/06/22 10:09	1
Method: SW846 8015B NM - DAMAINSTAND - DAMAI	Diesel Range Result	Organics Qualifier	(DRO) (GC)		mg/Kg Unit		Prepared 12/05/22 15:06	12/06/22 10:09 Analyzed	1
Method: SW846 8015B NM - DANIE Gasoline Range Organics (GRO)-C6-C10	Diesel Range Result <50.0	Organics Qualifier U	(DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06	12/06/22 10:09 Analyzed 12/05/22 23:44	Dil Fac
Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Diesel Range Result <50.0	Organics Qualifier U	(DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06	12/06/22 10:09 Analyzed 12/05/22 23:44 12/05/22 23:44	Dil Fac
Method: SW846 8015B NM - DANAING GASOline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)		Organics Qualifier U	(DRO) (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06	12/06/22 10:09 Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44	Dil Fac
Method: SW846 8015B NM - EANalyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Name	Organics Qualifier U	(DRO) (GC) RL 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	12/06/22 10:09 Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44 Analyzed	Dil Fac
Method: SW846 8015B NM - DANAILYTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Name	Qualifier U U Qualifier S1+	(DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44 Analyzed 12/05/22 23:44	Dil Fac
Method: SW846 8015B NM - EANAIlyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Name	Qualifier U U Qualifier S1+	(DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	Analyzed 12/05/22 23:44 12/05/22 23:44 12/05/22 23:44 Analyzed 12/05/22 23:44	Dil Fac

Client Sample ID: SW-14 (22')

Lab Sample ID: 880-22272-26 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:10	12/06/22 09:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:10	12/06/22 09:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:10	12/06/22 09:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:10	12/06/22 09:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:10	12/06/22 09:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:10	12/06/22 09:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				12/05/22 14:10	12/06/22 09:30	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/05/22 14:10	12/06/22 09:30	1

Client: Carmona Resources

Job ID: 880-22272-1
Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Client Sample ID: SW-14 (22') Lab Sample ID: 880-22272-26

Date Collected: 12/05/22 00:00 Matrix: Solid
Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/06/22 11:44	1
Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 10:09	-
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 00:05	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 00:05	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 00:05	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	134	S1+	70 - 130				12/05/22 15:06	12/06/22 00:05	
o-Terphenyl	162	S1+	70 - 130				12/05/22 15:06	12/06/22 00:05	

Analyte Result Qualifier RL MDL Unit mg/Kg D Prepared 12/06/22 03:39 D Prepared 12/06/22 03:39 T Client Sample ID: SW-15 (22')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 09:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 09:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 09:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/22 14:10	12/06/22 09:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 09:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/22 14:10	12/06/22 09:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				12/05/22 14:10	12/06/22 09:50	1
1.4-Difluorobenzene (Surr)	99		70 - 130				12/05/22 14:10	12/06/22 09:50	1
-	00		10 - 130				12/00/22 11:10		,
Method: TAL SOP Total BT		X Calculat					72 00,22 7 1.70	. = . 0 0/ = = 00.00	,
·	EX - Total BTE	X Calculat Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BT	EX - Total BTE	Qualifier	ion	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX	TEX - Total BTE Result <0.00400	Qualifier U	ion RL 0.00400	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	TEX - Total BTE Result <0.00400 Diesel Range 0	Qualifier U	ion RL 0.00400			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte	TEX - Total BTE Result <0.00400 Diesel Range 0	Qualifier U Organics (Qualifier	ion RL 0.00400 DRO) (GC)		mg/Kg	— <u>-</u>	Prepared	Analyzed 12/06/22 11:44	1
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result <0.00400 Diesel Range Result <49.8	Qualifier U Organics (Qualifier U	RL 0.00400 DRO) (GC) RL 49.8		mg/Kg Unit	— <u>-</u>	Prepared	Analyzed 12/06/22 11:44 Analyzed	1
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result <0.00400 Diesel Range Result <49.8 - Diesel Range	Qualifier U Organics (Qualifier U	RL 0.00400 DRO) (GC) RL 49.8	MDL	mg/Kg Unit	— <u>-</u>	Prepared	Analyzed 12/06/22 11:44 Analyzed	1
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	EX - Total BTE Result <0.00400 Diesel Range Result <49.8 - Diesel Range	Qualifier U Organics (Qualifier U Organics Qualifier Qualifier	DRO) (GC) RL 49.8 (DRO) (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/06/22 11:44 Analyzed 12/06/22 10:09	Dil Fac

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Matrix: Solid

Client: Carmona Resources Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Client Sample ID: SW-15 (22')

Lab Sample ID: 880-22272-27

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/22 15:06	12/06/22 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				12/05/22 15:06	12/06/22 00:27	1
o-Terphenyl	169	S1+	70 - 130				12/05/22 15:06	12/06/22 00:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Prepared Analyzed Dil Fac Chloride 14.9 4.96 mg/Kg 12/06/22 03:45

Client Sample ID: SW-16 (22')

Lab Sample ID: 880-22272-28

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/05/22 14:10	12/06/22 10:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/05/22 14:10	12/06/22 10:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				12/05/22 14:10	12/06/22 10:11	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/05/22 14:10	12/06/22 10:11	1

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/06/22 11:44	1

	Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 10:09	1
ì	_									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 00:48	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				12/05/22 15:06	12/06/22 00:48	1
o-Terphenyl	171	S1+	70 - 130				12/05/22 15:06	12/06/22 00:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	14.2		4.95		mg/Kg			12/06/22 03:52	1

Job ID: 880-22272-1 SDG: Lea Co, NM

Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-17 (7')

Lab Sample ID: 880-22272-29

Matrix: Solid

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:31	1
Toluene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:31	1
Ethylbenzene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/22 14:10	12/06/22 10:31	1
o-Xylene	< 0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 10:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/22 14:10	12/06/22 10:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				12/05/22 14:10	12/06/22 10:31	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/05/22 14:10	12/06/22 10:31	1
Method: TAL SOP Total BTEX Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400		0.00400		mg/Kg			12/06/22 11:44	1
	CALL DOMESTIC	• · · · · · · /	DDO\ (00\						
		•	, , ,	MDI	11		Dunnanad	A	Dil Fa
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	, , ,	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 12/06/22 10:09	Dil Fac
Analyte Total TPH	Result <50.0	Qualifier U Organics	RL 50.0	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics	Result <50.0	Qualifier U Organics Qualifier	RL 50.0 (DRO) (GC)		mg/Kg	_ =	<u> </u>	12/06/22 10:09	1
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 Diesel Range Result	Qualifier U Organics Qualifier U	RL		mg/Kg	_ =	Prepared	12/06/22 10:09 Analyzed	

Surrogate 1-Chlorooctane	%Recovery 163	Qualifier S1+	70 - 130		Prepared 12/05/22 15:06	Analyzed 12/06/22 01:10	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	12/05/22 15:06	12/06/22 01:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg	12/05/22 15:06	12/06/22 01:10	1
(GRO)-C6-C10	\50.0	U	50.0	mg/Kg	12/03/22 13.00	12/00/22 01.10	'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130	12/05/22 15:06	12/06/22 01:10	1
o-Terphenyl	200	S1+	70 - 130	12/05/22 15:06	12/06/22 01:10	1
_						

Method: MCAWW 300.0 - Anions, Ion Chromatography - SolubleAnalyteResult ChlorideQualifierRL MDL mg/KgUnit mg/KgD mg/KgPrepared mg/KgAnalyzed 12/06/22 03:59Dil Fac 12/06/22 03:59

Client Sample ID: SW-18 (7')

Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-30

Matrix: Solid

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 10:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 10:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 10:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 10:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 10:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 10:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				12/05/22 14:10	12/06/22 10:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/05/22 14:10	12/06/22 10:52	1

Eurofins Midland

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Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-18 (7')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-30

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 11:44	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/06/22 10:09	1

Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	m	ıg/Kg		12/05/22 15:06	12/06/22 01:32	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	m	ıg/Kg		12/05/22 15:06	12/06/22 01:32	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	m	ıg/Kg		12/05/22 15:06	12/06/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	139	S1+	70 - 130	12/05/22 15:06	12/06/22 01:32	1
l	o-Terphenyl	169	S1+	70 - 130	12/05/22 15:06	12/06/22 01:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		4.99	mg/k	īg –		12/06/22 04:05	1

Client Sample ID: SW-19 (15')

Lab Sample ID: 880-22272-31 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

			(/						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:38	12/06/22 12:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:38	12/06/22 12:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:38	12/06/22 12:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 13:38	12/06/22 12:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 13:38	12/06/22 12:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 13:38	12/06/22 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	12/05/22 13:38 12/06/22 12:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/05/22 13:38 12/06/22 12:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/06/22 15:29	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			12/06/22 10:09	1

Method: 5W846 8U15B NM - DI	iesei Kange	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:14	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:14	1

C10-C28)

SDG: Lea Co, NM

Client Sample ID: SW-19 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-31

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				12/05/22 15:06	12/06/22 02:14	1
o-Terphenyl	169	S1+	70 - 130				12/05/22 15:06	12/06/22 02:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Prepared Analyzed Dil Fac Chloride 15.1 4.98 12/06/22 04:12 mg/Kg

Client Sample ID: SW-20 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-32

Matrix: Solid

Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 13:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/22 13:38	12/06/22 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 13:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 13:38	12/06/22 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				12/05/22 13:38	12/06/22 13:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/05/22 13:38	12/06/22 13:02	1

Method: TAL SOP Total BTEX -	Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 15:29	1

Method: SW846 8015 NM - Dies	el Range	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 10:09	1
Method: SW846 8015B NM - Die	esel Range	e Organics (DRO) (GC)						

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:36	,
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:36	•
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:36	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	146	S1+	70 - 130				12/05/22 15:06	12/06/22 02:36	
o-Terphenyl	181	S1+	70 - 130				12/05/22 15:06	12/06/22 02:36	

Method: MCAWW 300.0 - Anio	ns, Ion Chr	omatograp	hy - Soluble	9					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.95		mg/Kg			12/06/22 04:32	1

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

Client Sample ID: SW-21 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-33

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 06:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 06:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 06:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/05/22 14:10	12/06/22 06:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:10	12/06/22 06:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/05/22 14:10	12/06/22 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/05/22 14:10	12/06/22 06:47	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/05/22 14:10	12/06/22 06:47	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/06/22 10:52	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) **Analyte** Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 12/06/22 10:09

mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Dil Fac Result Qualifier MDL Unit **Prepared** Analyzed Gasoline Range Organics <50.0 U 50.0 12/05/22 15:06 12/06/22 02:57 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 12/05/22 15:06 12/06/22 02:57 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 12/05/22 15:06 12/06/22 02:57 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 155 S1+ 70 - 130 12/05/22 15:06 12/06/22 02:57 187 S1+ 70 - 130 12/05/22 15:06 12/06/22 02:57

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit Prepared Analyzed 5.05 Chloride 16.2 mg/Kg 12/06/22 04:39

Client Sample ID: SW-22 (15') Lab Sample ID: 880-22272-34 Date Collected: 12/05/22 00:00 Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D **Prepared Analyzed** Dil Fac < 0.00199 U Benzene 0.00199 mg/Kg 12/05/22 14:10 12/06/22 07:07 Toluene <0.00199 U 0.00199 12/05/22 14:10 12/06/22 07:07 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 12/05/22 14:10 12/06/22 07:07 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 12/05/22 14:10 12/06/22 07:07 o-Xylene 0.00199 mg/Kg 12/05/22 14:10 12/06/22 07:07 <0.00199 U Xylenes, Total <0.00398 U 0.00398 mg/Kg 12/05/22 14:10 12/06/22 07:07 Qualifier Limits Prepared Dil Fac Surrogate %Recovery Analyzed 4-Bromofluorobenzene (Surr) 113 70 - 130 12/05/22 14:10 12/06/22 07:07 1,4-Difluorobenzene (Surr) 95 70 - 130 12/05/22 14:10 12/06/22 07:07

Eurofins Midland

Date Received: 12/05/22 00:00

o-Terphenyl

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-22 (15')

Lab Sample ID: 880-22272-34 Date Collected: 12/05/22 00:00

Matrix: Solid

Analyzed

12/06/22 04:59

Matrix: Solid

Prepared

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 10:52	1
- Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 10:09	1
Method: SW846 8015B NM - D	Diesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:19	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				12/05/22 15:06	12/06/22 03:19	1
o-Terphenyl	162	S1+	70 - 130				12/05/22 15:06	12/06/22 03:19	1

4.97 Client Sample ID: SW-23 (15') Lab Sample ID: 880-22272-35

RL

MDL Unit

mg/Kg

Result Qualifier

18.2

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:28	1
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:28	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 07:28	1
o-Xylene	0.00428		0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:28	1
Xylenes, Total	0.00428		0.00398		mg/Kg		12/05/22 14:10	12/06/22 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				12/05/22 14:10	12/06/22 07:28	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT	117 EX - Total BTE	X Calculat	70 - 130 ion				12/05/22 14:10	12/06/22 07:28	;
Method: TAL SOP Total BT	EX - Total BTE	X Calculat Qualifier		MDL	Unit	D	12/05/22 14:10 Prepared	12/06/22 07:28 Analyzed	Dil Fac
	EX - Total BTE		ion	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX	EX - Total BTE Result 0.00428	Qualifier	ion RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	EX - Total BTE Result 0.00428 Diesel Range (Qualifier	ion RL 0.00398			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte	EX - Total BTE Result 0.00428 Diesel Range (Qualifier Organics (Qualifier	ion RL 0.00398		mg/Kg	_ =	Prepared	Analyzed 12/06/22 10:52	1
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result 0.00428 Diesel Range (Result <50.0	Qualifier Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 50.0		mg/Kg Unit	_ =	Prepared	Analyzed 12/06/22 10:52 Analyzed	1
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result 0.00428 Diesel Range (Result <50.0 - Diesel Range	Qualifier Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 50.0		mg/Kg Unit mg/Kg	_ =	Prepared	Analyzed 12/06/22 10:52 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	EX - Total BTE Result 0.00428 Diesel Range (Result <50.0 - Diesel Range	Qualifier Organics (Qualifier U Organics Qualifier Qualifier	DRO) (GC) RL 50.0 (DRO) (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 12/06/22 10:52 Analyzed 12/06/22 10:09	1

Client: Carmona Resources Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-23 (15') Lab Sample ID: 880-22272-35

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)	(Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				12/05/22 15:06	12/06/22 03:40	1
o-Terphenyl		S1+	70 - 130				10/05/00 15 00	12/06/22 03:40	

Method: MCAWW 300.0 - Anio	ns, Ion Chr	omatograp	hy - Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.2		5.02		mg/Kg			12/06/22 05:05	1

Client Sample ID: SW-24 (15') Lab Sample ID: 880-22272-36 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	
Toluene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:40	12/06/22 07:48	
o-Xylene	< 0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:40	12/06/22 07:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	76		70 - 130				12/05/22 14:40	12/06/22 07:48	
1,4-Difluorobenzene (Surr)	85		70 - 130				12/05/22 14:40	12/06/22 07:48	
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/06/22 10:52	
- Method: SW846 8015 NM - Did	esel Range	Organics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			12/06/22 10:09	
• ·									
: Method: SW846 8015B NM - D	Diesel Range	o Organics	(DRO) (GC)						
Method: SW846 8015B NM - C Analyte	_	Organics Qualifier	(DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	_	Qualifier	, , ,	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/05/22 15:06	Analyzed 12/06/22 04:02	
Analyte	Result	Qualifier	RL	MDL		<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	MDL		<u>D</u>	12/05/22 15:06		
Analyte Gasoline Range Organics	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	12/05/22 15:06 12/05/22 15:06	12/06/22 04:02	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U U	49.9 49.9	MDL	mg/Kg	<u>D</u>	12/05/22 15:06 12/05/22 15:06	12/06/22 04:02 12/06/22 04:02	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9	Qualifier U U U Qualifier	49.9 49.9 49.9	MDL	mg/Kg	<u>D</u>	12/05/22 15:06 12/05/22 15:06 12/05/22 15:06	12/06/22 04:02 12/06/22 04:02 12/06/22 04:02	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U Qualifier	49.9 49.9 49.9 <i>Limits</i>	MDL	mg/Kg	<u>D</u>	12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	12/06/22 04:02 12/06/22 04:02 12/06/22 04:02 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 <49.9 <49.9 <47.9 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47.0 <47	Qualifier U U Qualifier S1+ S1+	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg	<u>D</u>	12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	12/06/22 04:02 12/06/22 04:02 12/06/22 04:02 Analyzed 12/06/22 04:02	Dil Fa

Eurofins Midland

12/06/22 05:12

5.00

mg/Kg

14.8

12/6/2022

Chloride

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-25 (15')

Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-37 Date Collected: 12/05/22 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	
Toluene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:40	12/06/22 08:09	· · · · · · · · ·
o-Xylene	< 0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:40	12/06/22 08:09	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		70 - 130				12/05/22 14:40	12/06/22 08:09	
1,4-Difluorobenzene (Surr)	107		70 - 130				12/05/22 14:40	12/06/22 08:09	
Method: TAL SOP Total BTEX	K - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 10:52	
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Di Analyte Total TPH		Qualifier	, , ,	MDL	Unit mg/Kg	D	Prepared	Analyzed 12/06/22 10:09	Dil Fa
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics	Result <50.0	Qualifier U Organics Qualifier	RL 50.0 (DRO) (GC)		mg/Kg	_ =	<u> </u>	12/06/22 10:09	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Diesel Range Result	Qualifier U Organics Qualifier U	50.0 (DRO) (GC) RL		mg/Kg Unit	_ =	Prepared 12/05/22 15:06	12/06/22 10:09 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 Diesel Range Result <50.0	Qualifier U Organics Qualifier U	RL 50.0 (GC) RL 50.0		mg/Kg Unit mg/Kg	_ =	Prepared 12/05/22 15:06 12/05/22 15:06	12/06/22 10:09 Analyzed 12/06/22 04:23	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 Diesel Range Result <50.0 <50.0	Qualifier U Organics Qualifier U U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:06 12/05/22 15:06	12/06/22 10:09 Analyzed 12/06/22 04:23 12/06/22 04:23	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U Organics Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06	12/06/22 10:09 Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U Organics Qualifier U U Qualifier	RL 50.0 (DRO) (GC) RL 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	12/06/22 10:09 Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23 Analyzed	Dil Fa
Analyte	Result <50.0	Qualifier U Organics Qualifier U U U Qualifier S1+ S1+	RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	12/06/22 10:09 Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23 Analyzed 12/06/22 04:23	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0	Qualifier U Organics Qualifier U U U Qualifier S1+ S1+	RL 50.0 (DRO) (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 12/05/22 15:06 12/05/22 15:06 12/05/22 15:06 Prepared 12/05/22 15:06	12/06/22 10:09 Analyzed 12/06/22 04:23 12/06/22 04:23 12/06/22 04:23 Analyzed 12/06/22 04:23	Dil Fa

Surrogate Summary

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-22210-A-28-A MS	Matrix Spike	119	96
380-22210-A-28-B MSD	Matrix Spike Duplicate	104	114
380-22272-1	CS-1 (22')	75	106
880-22272-1 MS	CS-1 (22')	89	105
880-22272-1 MSD	CS-1 (22')	88	105
380-22272-2	CS-2 (22')	87	112
880-22272-3	CS-3 (22')	68 S1-	93
880-22272-4	CS-4 (22')	95	108
380-22272-5	CS-5 (22')	91	106
380-22272-6	CS-6 (22')	91	102
80-22272-7	CS-7 (22')	90	108
880-22272-8	CS-8 (22')	90	108
880-22272-9	CS-9 (22')	88	106
880-22272-10	CS-10 (15')	83	100
80-22272-11	CS-11 (15')	78	112
80-22272-12	CS-12 (15')	90	108
880-22272-13	SW-1 (22')	81	107
880-22272-14	SW-2 (22')	61 S1-	100
80-22272-14	SW-3 (22')	87	106
80-22272-16	SW-4 (22')	91	111
80-22272-10	, ,	79	103
80-22272-17	SW-5 (22')		
	SW-6 (22')	104	118
880-22272-19	SW-7 (22')	107	116
80-22272-20	SW-8 (22')	87	106
80-22272-21	SW-9 (22')	77	99
80-22272-21 MS	SW-9 (22')	98	105
80-22272-21 MSD	SW-9 (22')	61 S1-	100
80-22272-22	SW-10 (22')	88	107
80-22272-23	SW-11 (22')	76	96
80-22272-24	SW-12 (22')	92	107
80-22272-25	SW-13 (22')	88	101
80-22272-26	SW-14 (22')	75	86
80-22272-27	SW-15 (22')	75	99
80-22272-28	SW-16 (22')	91	110
80-22272-29	SW-17 (7')	69 S1-	106
80-22272-30	SW-18 (7')	83	100
80-22272-31	SW-19 (15')	74	96
80-22272-32	SW-20 (15')	77	109
80-22272-33	SW-21 (15')	109	104
80-22272-34	SW-22 (15')	113	95
80-22272-35	SW-23 (15')	81	117
80-22272-36	SW-24 (15')	76	85
80-22272-37	SW-25 (15')	101	107
.CS 880-40902/1-A	Lab Control Sample	114	93
.CS 880-41044/1-A	Lab Control Sample	85	102
.CS 880-41070/1-A	Lab Control Sample	80	109
.CSD 880-40902/2-A	Lab Control Sample Dup	130	93
CSD 880-41044/2-A	Lab Control Sample Dup	79	98
.CSD 880-41070/2-A	Lab Control Sample Dup	82	112

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Surrogate Summary

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

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

Matrix: Solid Prep Type: Total/NA

			Percen	t Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
MB 880-40873/5-A	Method Blank	90	99	
MB 880-40902/5-A	Method Blank	93	96	
MB 880-41044/5-A	Method Blank	69 S1-	108	
MB 880-41070/5-A	Method Blank	69 S1-	105	
Surrogate Legend				
BFB = 4-Bromofluoro	obenzene (Surr)			
DFBZ = 1,4-Difluorob	penzene (Surr)			

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

latrix: Solid				Prep Type: Total/N
			Percent Surrogate F	Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-22272-1	CS-1 (22')	124	120	
880-22272-1 MS	CS-1 (22')	113	102	
880-22272-1 MSD	CS-1 (22')	123	101	
880-22272-2	CS-2 (22')	145 S1+	142 S1+	
880-22272-3	CS-3 (22')	146 S1+	142 S1+	
380-22272-4	CS-4 (22')	143 S1+	139 S1+	
880-22272-5	CS-5 (22')	128	126	
880-22272-6	CS-6 (22')	129	128	
880-22272-7	CS-7 (22')	129	130	
880-22272-8	CS-8 (22')	125	127	
880-22272-9	CS-9 (22')	125	129	
880-22272-10	CS-10 (15')	134 S1+	135 S1+	
880-22272-11	CS-11 (15')	150 S1+	146 S1+	
880-22272-12	CS-12 (15')	146 S1+	143 S1+	
380-22272-13	SW-1 (22')	127	125	
380-22272-14	SW-2 (22')	122	123	
380-22272-15	SW-3 (22')	123	124	
380-22272-16	SW-4 (22')	145 S1+	144 S1+	
380-22272-17	SW-5 (22')	127	131 S1+	
380-22272-18	SW-6 (22')	159 S1+	157 S1+	
380-22272-19	SW-7 (22')	144 S1+	139 S1+	
380-22272-20	SW-8 (22')	135 S1+	134 S1+	
380-22272-21	SW-9 (22')	137 S1+	162 S1+	
380-22272-21 MS	SW-9 (22')	123	131 S1+	
380-22272-21 MSD	SW-9 (22')	123	134 S1+	
380-22272-22	SW-10 (22')	144 S1+	169 S1+	
380-22272-23	SW-11 (22')	130	156 S1+	
380-22272-24	SW-12 (22')	124	154 S1+	
880-22272-25	SW-13 (22')	111	136 S1+	
380-22272-26	SW-14 (22')	134 S1+	162 S1+	
380-22272-27	SW-15 (22')	139 S1+	169 S1+	
880-22272-28	SW-16 (22')	141 S1+	171 S1+	
380-22272-29	SW-17 (7')	163 S1+	200 S1+	
380-22272-30	SW-18 (7')	139 S1+	169 S1+	
380-22272-31	SW-19 (15')	138 S1+	169 S1+	
880-22272-32	SW-20 (15')	146 S1+	181 S1+	

Surrogate Summary

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-22272-33	SW-21 (15')	155 S1+	187 S1+	
880-22272-34	SW-22 (15')	133 S1+	162 S1+	
880-22272-35	SW-23 (15')	144 S1+	178 S1+	
880-22272-36	SW-24 (15')	147 S1+	177 S1+	
880-22272-37	SW-25 (15')	141 S1+	171 S1+	
LCS 880-41083/2-A	Lab Control Sample	128	117	
LCS 880-41084/2-A	Lab Control Sample	156 S1+	190 S1+	
LCSD 880-41083/3-A	Lab Control Sample Dup	124	114	
LCSD 880-41084/3-A	Lab Control Sample Dup	158 S1+	191 S1+	
MB 880-41083/1-A	Method Blank	126	127	
MB 880-41084/1-A	Method Blank	113	142 S1+	

1CO = 1-Chlorooctan

OTPH = o-Terphenyl

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Released to Imaging: 12/21/2022 1:56:34 PM Page 37 of 76

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Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40873/5-A

Matrix: Solid

Analysis Batch: 41033

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40873

	MB	MB						•	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 10:18	12/05/22 15:26	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
	440	MD							

Surrogate	%Recovery Qualit	fier Limits	Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	75	05 - 135	12/52/22 15,1i	12/5: /22 1: ,2D	
164-Chiluorobenzene (Surr)	77	05 - 135	12/52/22 15,1i	12/5: /22 1: ,2D	

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

Prep Batch: 40902

Matrix: Solid **Analysis Batch: 41033**

Lab Sample ID: MB 880-40902/5-A

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 13:13	12/06/22 02:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 13:13	12/06/22 02:00	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		05 - 135	12/52/22 13,13	12/5D/22 52,55	1
164-Chiluorobenzene (Surr)	7D		05 - 135	12/52/22 13,13	12/5D/22 52,55	1

Lab Sample ID: LCS 880-40902/1-A

Matrix: Solid

Analysis Batch: 41033

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

Prep Batch: 40902

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.09743		mg/Kg		97	70 - 130	
0.100	0.09740		mg/Kg		97	70 - 130	
0.100	0.1016		mg/Kg		102	70 - 130	
0.200	0.2132		mg/Kg		107	70 - 130	
0.100	0.1065		mg/Kg		107	70 - 130	
	Added 0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.09743 0.100 0.09740 0.100 0.1016 0.200 0.2132	Added Result Qualifier 0.100 0.09743 0.100 0.09740 0.100 0.1016 0.200 0.2132	Added Result Qualifier Unit 0.100 0.09743 mg/Kg 0.100 0.09740 mg/Kg 0.100 0.1016 mg/Kg 0.200 0.2132 mg/Kg	Added Result Qualifier Unit D 0.100 0.09743 mg/Kg 0.100 0.09740 mg/Kg 0.100 0.1016 mg/Kg 0.200 0.2132 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09743 mg/Kg 97 0.100 0.09740 mg/Kg 97 0.100 0.1016 mg/Kg 102 0.200 0.2132 mg/Kg 107	Added Result Qualifier Unit D %Rec Limits 0.100 0.09743 mg/Kg 97 70 - 130 0.100 0.09740 mg/Kg 97 70 - 130 0.100 0.1016 mg/Kg 102 70 - 130 0.200 0.2132 mg/Kg 107 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		05 - 135
164-Chiluorobenzene (Surr)	73		05 - 135

Lab Sample ID: LCSD 880-40902/2-A Client Sample ID: Lab Control Sample Dup

			_						
Matrix: Solid							Prep Ty	pe: Tot	al/NA
Analysis Batch: 41033							Prep E	Batch: 4	10902
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	4	35

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Page 38 of 76

QC Sample Results

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-40902/2-A

Matrix: Solid

Analysis Batch: 41033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 40902

LCSD LCSD Spike %Rec **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Toluene 0.100 0.1041 mg/Kg 104 70 - 130 7 35 0.100 Ethylbenzene 0.1146 mg/Kg 115 70 - 130 12 35 m-Xylene & p-Xylene 0.200 0.2468 mg/Kg 123 70 - 130 35 15 0.100 o-Xylene 0.1236 mg/Kg 124 70 - 130 15

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	135		05 - 135
164-Clfluorobenzene (Surr)	73		05 - 135

Lab Sample ID: 880-22210-A-28-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 41033

Prep Type: Total/NA

Prep Batch: 40902

Sample Sample Spike MS MS %Rec Limits Analyte Result Qualifier Added Result Qualifier D %Rec Unit Benzene <0.00201 UF2 F1 0.0996 0.04506 F1 45 70 - 130 mg/Kg 70 - 130 Toluene <0.00201 UF2F1 0.0996 0.05574 F1 mg/Kg 56 Ethylbenzene <0.00201 UF1 0.0996 0.06903 F1 mg/Kg 69 70 - 130 m-Xylene & p-Xylene 0.199 0.1362 F1 68 70 - 130 <0.00402 UF1 mg/Kg o-Xylene <0.00201 UF1 0.0996 0.06790 F1 mg/Kg 68 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	05 - 135
164-Clfluorobenzene (Surr)	7D	05 - 135

Lab Sample ID: 880-22210-A-28-B MSD

Matrix: Solid

Analysis Batch: 41033

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 40902

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F2 F1	0.100	0.09287	F2	mg/Kg		93	70 - 130	69	35
Toluene	<0.00201	U F2 F1	0.100	0.08270	F2	mg/Kg		83	70 - 130	39	35
Ethylbenzene	< 0.00201	U F1	0.100	0.08313		mg/Kg		83	70 - 130	19	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1724		mg/Kg		86	70 - 130	23	35
o-Xylene	<0.00201	U F1	0.100	0.08493		mg/Kg		85	70 - 130	22	35

MSD MSD

Surrogate	%Recovery Qualitier	Limits
4-Bromofluorobenzene (Surr)	154	05 - 135
164-Chiluorobenzene (Surr)	114	05 - 135

Lab Sample ID: MB 880-41044/5-A

Matrix: Solid

Analysis Batch: 41043

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

Prep Batch: 41044

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 07:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 07:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 07:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/22 13:38	12/06/22 07:19	1

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Page 39 of 76

Client: Carmona Resources Project/Site: Mallon 33 Federal #4

Job ID: 880-22272-1 SDG: Lea Co, NM

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

Lab Sample ID: MB 880-41044/5-A **Matrix: Solid**

Analysis Batch: 41043

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

Prep Batch: 41044

MB MB Result Qualifier **MDL** Unit Prepared Analyzed <0.00200 U 0.00200 mg/Kg 12/05/22 13:38 12/06/22 07:19

mg/Kg

MB MB

<0.00400 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	D7	S1-	05 - 135	12/5: /22 13,3i	12/5D/22 50,17	1
164-Chiluorobenzene (Surr)	15i		05 - 135	12/5: /22 13,3i	12/5D/22 50,17	1

0.00400

Client Sample ID: Lab Control Sample

12/05/22 13:38 12/06/22 07:19

Lab Sample ID: LCS 880-41044/1-A

Matrix: Solid

Analyte

o-Xylene

Xylenes, Total

Analysis Batch: 41043

Prep Type: Total/NA Prep Batch: 41044

LCS LCS Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits Benzene 0.100 0.08655 mg/Kg 87 70 - 130 Toluene 0.100 0.09932 mg/Kg 99 70 - 130 Ethylbenzene 0.100 0.09353 mg/Kg 94 70 - 130 82 70 - 130 m-Xylene & p-Xylene 0.200 0.1640 mg/Kg o-Xylene 0.100 0.08233 mg/Kg 82 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	i:	05 - 135
164-Clfluorobenzene (Surr)	152	05 - 135

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 41043

Lab Sample ID: LCSD 880-41044/2-A

Prep Type: Total/NA Prep Batch: 41044

•	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07275		mg/Kg		73	70 - 130	17	35
Toluene	0.100	0.08453		mg/Kg		85	70 - 130	16	35
Ethylbenzene	0.100	0.08138		mg/Kg		81	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1444		mg/Kg		72	70 - 130	13	35
o-Xylene	0.100	0.07271		mg/Kg		73	70 - 130	12	35

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	07	05 - 135
164-Chiluorobenzene (Surr)	7 <i>i</i>	05 - 135

Lab Sample ID: 880-22272-21 MS Client Sample ID: SW-9 (22')

Matrix: Solid

Analysis Batch: 41043

Prep Type: Total/NA Prep Batch: 41044

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00200	U F2 F1	0.101	0.04902	F1	mg/Kg		49	70 - 130	
<0.00200	U F2 F1	0.101	0.05414	F1	mg/Kg		54	70 - 130	
<0.00200	U F2 F1	0.101	0.07343		mg/Kg		73	70 - 130	
<0.00401	U F2 F1	0.202	0.1111	F1	mg/Kg		55	70 - 130	
<0.00200	U F2 F1	0.101	0.06094	F1	mg/Kg		60	70 - 130	
	Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00401	Sample Sample Result Qualifier	Result Qualifier Added <0.00200	Result Qualifier Added Result <0.00200	Result Qualifier Added Result Qualifier <0.00200	Result Qualifier Added Result Qualifier Unit <0.00200	Result Qualifier Added Result Qualifier Unit D <0.00200	Result Qualifier Added Result Qualifier Unit D %Rec <0.00200	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00200

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

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

MS MS

Client Sample ID: SW-9 (22') Lab Sample ID: 880-22272-21 MS

Matrix: Solid

Analysis Batch: 41043

Prep Type: Total/NA

Prep Batch: 41044

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 7i 05 - 135 164-Clfluorobenzene (Surr) 15: 05 - 135

Client Sample ID: SW-9 (22') Lab Sample ID: 880-22272-21 MSD

Matrix: Solid

Analysis Batch: 41043

Prep Type: Total/NA

Prep Batch: 41044

MSD MSD %Rec **RPD** Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00200 U F2 F1 0.0996 0.01917 F2 F1 19 70 - 130 181 35 mg/Kg Toluene <0.00200 UF2F1 0.0996 0.02331 F2 F1 mg/Kg 23 70 - 13080 35 Ethylbenzene <0.00200 U F2 F1 0.0996 0.02272 F2 F1 mg/Kg 23 70 - 130105 35 m-Xylene & p-Xylene <0.00401 UF2F1 0.199 0.03942 F2 F1 mg/Kg 20 70 - 130 95 35 o-Xylene <0.00200 U F2 F1 0.0996 0.02079 F2 F1 mg/Kg 70 - 130 35

MSD MSD

Surrogate %Recovery Qualifier Limits D1 S1-05 - 135 4-Bromofluorobenzene (Surr) 05 - 135 164-Chiluorobenzene (Surr) 155

Lab Sample ID: MB 880-41070/5-A

Matrix: Solid

Analysis Batch: 41043

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

Prep Batch: 41070

	IVIB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 19:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 19:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 19:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/22 14:23	12/05/22 19:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 19:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/22 14:23	12/05/22 19:45	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	D7	S1-	05 - 135	12/5: /22 14,23	12/5: /22 17,4:	1
164-Clfluorobenzene (Surr)	15:		05 - 135	12/5: /22 14,23	12/5: /22 17,4:	1

Lab Sample ID: LCS 880-41070/1-A

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Matrix: Solid

Analysis Batch: 41043

Client Sample ID: Lab Control Sample

Prep Batch: 41070

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09581		mg/Kg		96	70 - 130	
Toluene	0.100	0.09948		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.08855		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1533		mg/Kg		77	70 - 130	
o-Xylene	0.100	0.07630		mg/Kg		76	70 - 130	

LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) i 5 05 - 135

Eurofins Midland

Prep Type: Total/NA

QC Sample Results

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-41070/1-A

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41070

LCS LCS

Surrogate %Recovery Qualifier Limits 164-Chiluorobenzene (Surr) 05 - 135 157

Lab Sample ID: LCSD 880-41070/2-A Client Sample ID: Lab Control Sample Dup

Analysis Batch: 41043

Matrix: Solid Prep Type: Total/NA

Prep Batch: 41070

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09807		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.09801		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.08845		mg/Kg		88	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1530		mg/Kg		76	70 - 130	0	35
o-Xylene	0.100	0.07525		mg/Kg		75	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	i 2		05 - 135
164-Chiluorobenzene (Surr)	112		05 - 135

Lab Sample ID: 880-22272-1 MS Client Sample ID: CS-1 (22')

Matrix: Solid

Analysis Batch: 41043

Prep Type: Total/NA

Prep Batch: 41070

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.09914		mg/Kg	_	99	70 - 130	
Toluene	< 0.00201	U	0.100	0.1066		mg/Kg		106	70 - 130	
Ethylbenzene	< 0.00201	U	0.100	0.1021		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1764		mg/Kg		88	70 - 130	
o-Xylene	< 0.00201	U	0.100	0.08696		mg/Kg		86	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	i 7	05 - 135
164-Chiluorobenzene (Surr)	15:	05 - 135

Lab Sample ID: 880-22272-1 MSD Client Sample ID: CS-1 (22')

Matrix: Solid

Analysis Batch: 41043

Prep Type: Total/NA

Prep Batch: 41070

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.08978		mg/Kg		90	70 - 130	10	35
Toluene	<0.00201	U	0.0996	0.1023		mg/Kg		103	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0996	0.09498		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1661		mg/Kg		83	70 - 130	6	35
o-Xylene	<0.00201	U	0.0996	0.08146		mg/Kg		81	70 - 130	7	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	i i	05 - 135
164-Clfluorobenzene (Surr)	15:	05 - 135

QC Sample Results

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

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

Lab Sample ID: MB 880-41083/1-A

Lab Sample ID: LCS 880-41083/2-A

Analysis Batch: 40985

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41083

	IVIB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 20:25	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 20:25	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 20:25	1
	MB	MB							

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
1-c t lorooa lpne	12D	05 - 135	12/5: /22 1: ,53	12/5: /22 25,2:	1
o-yer8t en+l	120	05 - 135	12/5: /22 1: ,53	12/5: /22 25,2:	1

Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Prep Batch: 41083 **Analysis Batch: 40985** Spike LCS LCS %Rec

Added Result Qualifier Limits Analyte Unit D %Rec Gasoline Range Organics 1000 858.8 86 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 873.9 mg/Kg 87 70 - 130

C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 1-c t lorooa Tone 12i 05 - 135 05 - 135 o-yer8t en+l 110

Lab Sample ID: LCSD 880-41083/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 40985

Prep Batch: 41083 Spike LCSD LCSD %Rec **RPD** Added Limit Result Qualifier Limits RPD Analyte Unit %Rec 1000 822.8 Gasoline Range Organics mg/Kg 82 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 847.5 mg/Kg 85 70 - 130 3 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-c t lorooa lpne	124	05 - 135
o-yer8t en+l	114	05 - 135

Lab Sample ID: 880-22272-1 MS Client Sample ID: CS-1 (22')

Matrix: Solid

Analysis Batch: 40985									Prep E	Batch: 41083
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	946.3		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	71.1		999	1043		mg/Kg		97	70 - 130	

Eurofins Midland

Prep Type: Total/NA

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

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

MS MS

71.1

Lab Sample ID: 880-22272-1 MS

Matrix: Solid

Analysis Batch: 40985

Client Sample ID: CS-1 (22')

Prep Type: Total/NA

Prep Batch: 41083

%Recovery Qualifier Surrogate 1-c t lorooa Tone 113 05 - 135 o-ver8t en+l 152 05 - 135

Client Sample ID: CS-1 (22') Lab Sample ID: 880-22272-1 MSD

Limits

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 40985** Prep Batch: 41083 MSD MSD %Rec **RPD** Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 997 1036 mg/Kg 104 70 - 130 9 20

1032

mg/Kg

997

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

MSD MSD

Surrogate %Recovery Qualifier Limits 1-c t lorooa Tone 123 05 - 135 05 - 135 o-yer8t en+l 151

Lab Sample ID: MB 880-41084/1-A

Matrix: Solid

Analysis Batch: 40987

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

70 - 130

96

Prep Batch: 41084

MB MB Result Qualifier RL MDL Unit **Analyte** D Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 mg/Kg 12/05/22 15:06 12/05/22 20:25 (GRO)-C6-C10 50.0 Diesel Range Organics (Over <50.0 U mg/Kg 12/05/22 15:06 12/05/22 20:25 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 12/05/22 15:06 12/05/22 20:25 mg/Kg

MB MB

%Recovery Qualifier Surrogate I imits Prepared Analyzed Dil Fac 05 - 135 1-c t lorooaTpne 113 12/5: /22 1: ,5D 12/5: /22 25,2: o-yer8t en+l 05 - 135 142 S19 12/5: /22 1: ,5D 12/5: /22 25,2:

Lab Sample ID: LCS 880-41084/2-A

Matrix: Solid

Analysis Batch: 40987

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

Prep Batch: 41084

LCS LCS Spike %Rec Added Result Qualifier %Rec Limits Analyte Unit 1000 880.3 Gasoline Range Organics 88 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 951.5 mg/Kg 95 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-c t lorooa lpne	1: D	S19	05 - 135
o-yer8t en+l	175	S19	05 - 135

Eurofins Midland

20

QC Sample Results

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

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

Lab Sample ID: LCSD 880-41084/3-A

Matrix: Solid

Analysis Batch: 40987

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41084

Prep Batch: 41084

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier %Rec Limits RPD Limit Analyte Unit Gasoline Range Organics 1000 901.1 mg/Kg 90 70 - 130 2 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 955.6 96 mg/Kg 70 - 130Λ 20

C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits S19 05 - 135 1-c t lorooa Tone 05 - 135 o-yer8t en+l 171 S19

Lab Sample ID: 880-22272-21 MS Client Sample ID: SW-9 (22') Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 40987

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec Gasoline Range Organics <50.0 U 999 1004 101 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 1256 mg/Kg 126 70 - 130 C10-C28)

05 - 135

MS MS Surrogate %Recovery Qualifier Limits 1-c t lorooaTpne 123 05 - 135

Lab Sample ID: 880-22272-21 MSD

Matrix: Solid

o-ver8t en+l

Analysis Batch: 40987

Client Sample ID: SW-9 (22')

Prep Type: Total/NA Prep Batch: 41084

Spike MSD MSD %Rec **RPD** Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics Ū 997 <50.0 1001 100 70 - 130 0 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 997 1263 127 70 - 130 20 mg/Kg

C10-C28)

MSD MSD

131 S19

Surrogate %Recovery Qualifier Limits 1-c t lorooa Tone 123 05 - 135 o-yer8t en+l 134 S19 05 - 135

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41081/1-A

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: Method Blank

Prep Type: Soluble

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.00 12/05/22 22:26 Chloride <5.00 U mg/Kg

Chloride

Released to Imaging: 12/21/2022 1:56:34 PM

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

Method: 300.0 - Anions, Ion Chromatography (Continued)

59.7

Lab Sample ID: LCS 880-41081/2-A Client Sample ID: Lab Control Sample Matrix: Solid **Prep Type: Soluble Analysis Batch: 41094**

Spike LCS LCS

%Rec Added Result Qualifier Limits Analyte Unit D %Rec 250 Chloride 256.0 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-41081/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble Analysis Batch: 41094**

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 250 90 - 110 Chloride 256.8 mg/Kg 103 n

Lab Sample ID: 880-22272-1 MS Client Sample ID: CS-1 (22')

Matrix: Solid Prep Type: Soluble Analysis Batch: 41094

Spike MS MS %Rec Sample Sample Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec

250

Lab Sample ID: 880-22272-1 MSD Client Sample ID: CS-1 (22')

324.0

Matrix: Solid Prep Type: Soluble

Analysis Batch: 41094

Spike MSD MSD **RPD** Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 59.7 250 325.0 mg/Kg 106 90 - 110

Lab Sample ID: 880-22272-11 MS Client Sample ID: CS-11 (15')

Matrix: Solid Prep Type: Soluble Analysis Batch: 41094

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits

Chloride 35.4 252 301.6 106 90 - 110 mg/Kg

Lab Sample ID: 880-22272-11 MSD Client Sample ID: CS-11 (15') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 41094 Sample Sample Spike MSD MSD %Rec **RPD**

Result Qualifier Added **RPD** Limit Analyte Result Qualifier Unit D %Rec Limits 252 302.9 Chloride 35.4 mg/Kg 106 90 - 110

Lab Sample ID: MB 880-41082/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble Analysis Batch: 41095

MB MB Result Qualifier RL MDL Unit Prepared Analyte Analyzed Dil Fac

5.00 Chloride <5.00 U mg/Kg 12/06/22 02:19

Lab Sample ID: LCS 880-41082/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 41095 Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits

Chloride 250 259.3 mg/Kg 104 90 - 110

Eurofins Midland

106

mg/Kg

90 - 110

QC Sample Results

Client: Carmona Resources Job ID: 880-22272-1 SDG: Lea Co, NM Project/Site: Mallon 33 Federal #4

Client Sample ID: SW-19 (15')

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-41082/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 41095

LCSD LCSD RPD Spike %Rec Added Result Qualifier Unit %Rec Limits RPD Limit Analyte Chloride 250 259.9 mg/Kg 104 90 - 110 0

Lab Sample ID: 880-22272-21 MS Client Sample ID: SW-9 (22') Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 41095

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 250 90 - 110 16.5 281.1 mg/Kg 106

Lab Sample ID: 880-22272-21 MSD Client Sample ID: SW-9 (22') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 41095

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD Analyte** Unit %Rec Limit Chloride 16.5 250 281.6 106 90 - 110 mg/Kg

Client Sample ID: SW-19 (15') Lab Sample ID: 880-22272-31 MS **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 41095

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 249 271.9 90 - 110 15.1 mg/Kg 103

Lab Sample ID: 880-22272-31 MSD

Matrix: Solid

Analysis Batch: 41095

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Unit Limits Result Qualifier %Rec Limit Chloride 15.1 249 273.0 104 90 - 110 20 mg/Kg 0

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

GC VOA

Prep Batch: 40873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40873/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 40902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-3	CS-3 (22')	Total/NA	Solid	5035	
880-22272-33	SW-21 (15')	Total/NA	Solid	5035	
880-22272-34	SW-22 (15')	Total/NA	Solid	5035	
880-22272-35	SW-23 (15')	Total/NA	Solid	5035	
880-22272-36	SW-24 (15')	Total/NA	Solid	5035	
880-22272-37	SW-25 (15')	Total/NA	Solid	5035	
MB 880-40902/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40902/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40902/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22210-A-28-A MS	Matrix Spike	Total/NA	Solid	5035	
880-22210-A-28-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 41033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-3	CS-3 (22')	Total/NA	Solid	8021B	40902
880-22272-33	SW-21 (15')	Total/NA	Solid	8021B	40902
880-22272-34	SW-22 (15')	Total/NA	Solid	8021B	40902
880-22272-35	SW-23 (15')	Total/NA	Solid	8021B	40902
880-22272-36	SW-24 (15')	Total/NA	Solid	8021B	40902
880-22272-37	SW-25 (15')	Total/NA	Solid	8021B	40902
MB 880-40873/5-A	Method Blank	Total/NA	Solid	8021B	40873
MB 880-40902/5-A	Method Blank	Total/NA	Solid	8021B	40902
LCS 880-40902/1-A	Lab Control Sample	Total/NA	Solid	8021B	40902
LCSD 880-40902/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40902
880-22210-A-28-A MS	Matrix Spike	Total/NA	Solid	8021B	40902
880-22210-A-28-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40902

Analysis Batch: 41043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-1	CS-1 (22')	Total/NA	Solid	8021B	41070
880-22272-2	CS-2 (22')	Total/NA	Solid	8021B	41070
880-22272-4	CS-4 (22')	Total/NA	Solid	8021B	41070
880-22272-5	CS-5 (22')	Total/NA	Solid	8021B	41070
880-22272-6	CS-6 (22')	Total/NA	Solid	8021B	41070
880-22272-7	CS-7 (22')	Total/NA	Solid	8021B	41070
880-22272-8	CS-8 (22')	Total/NA	Solid	8021B	41070
880-22272-9	CS-9 (22')	Total/NA	Solid	8021B	41070
880-22272-10	CS-10 (15')	Total/NA	Solid	8021B	41070
880-22272-11	CS-11 (15')	Total/NA	Solid	8021B	41070
880-22272-12	CS-12 (15')	Total/NA	Solid	8021B	41070
880-22272-13	SW-1 (22')	Total/NA	Solid	8021B	41070
880-22272-14	SW-2 (22')	Total/NA	Solid	8021B	41070
880-22272-15	SW-3 (22')	Total/NA	Solid	8021B	41070
880-22272-16	SW-4 (22')	Total/NA	Solid	8021B	41070
880-22272-17	SW-5 (22')	Total/NA	Solid	8021B	41070
880-22272-18	SW-6 (22')	Total/NA	Solid	8021B	41070
880-22272-19	SW-7 (22')	Total/NA	Solid	8021B	41070

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Job ID: 880-22272-1 Client: Carmona Resources Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 41043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-20	SW-8 (22')	Total/NA	Solid	8021B	41070
880-22272-21	SW-9 (22')	Total/NA	Solid	8021B	41044
880-22272-22	SW-10 (22')	Total/NA	Solid	8021B	41044
880-22272-23	SW-11 (22')	Total/NA	Solid	8021B	41044
880-22272-24	SW-12 (22')	Total/NA	Solid	8021B	41044
880-22272-25	SW-13 (22')	Total/NA	Solid	8021B	41044
880-22272-26	SW-14 (22')	Total/NA	Solid	8021B	41044
880-22272-27	SW-15 (22')	Total/NA	Solid	8021B	41044
880-22272-28	SW-16 (22')	Total/NA	Solid	8021B	41044
880-22272-29	SW-17 (7')	Total/NA	Solid	8021B	41044
880-22272-30	SW-18 (7')	Total/NA	Solid	8021B	41044
880-22272-31	SW-19 (15')	Total/NA	Solid	8021B	41044
880-22272-32	SW-20 (15')	Total/NA	Solid	8021B	41044
MB 880-41044/5-A	Method Blank	Total/NA	Solid	8021B	41044
MB 880-41070/5-A	Method Blank	Total/NA	Solid	8021B	41070
LCS 880-41044/1-A	Lab Control Sample	Total/NA	Solid	8021B	41044
LCS 880-41070/1-A	Lab Control Sample	Total/NA	Solid	8021B	41070
LCSD 880-41044/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41044
LCSD 880-41070/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	41070
880-22272-1 MS	CS-1 (22')	Total/NA	Solid	8021B	41070
880-22272-1 MSD	CS-1 (22')	Total/NA	Solid	8021B	41070
880-22272-21 MS	SW-9 (22')	Total/NA	Solid	8021B	41044
880-22272-21 MSD	SW-9 (22')	Total/NA	Solid	8021B	41044

Prep Batch: 41044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-21	SW-9 (22')	Total/NA	Solid	5035	<u> </u>
880-22272-22	SW-10 (22')	Total/NA	Solid	5035	
880-22272-23	SW-11 (22')	Total/NA	Solid	5035	
880-22272-24	SW-12 (22')	Total/NA	Solid	5035	
880-22272-25	SW-13 (22')	Total/NA	Solid	5035	
880-22272-26	SW-14 (22')	Total/NA	Solid	5035	
880-22272-27	SW-15 (22')	Total/NA	Solid	5035	
880-22272-28	SW-16 (22')	Total/NA	Solid	5035	
880-22272-29	SW-17 (7')	Total/NA	Solid	5035	
880-22272-30	SW-18 (7')	Total/NA	Solid	5035	
880-22272-31	SW-19 (15')	Total/NA	Solid	5035	
880-22272-32	SW-20 (15')	Total/NA	Solid	5035	
MB 880-41044/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41044/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41044/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22272-21 MS	SW-9 (22')	Total/NA	Solid	5035	
880-22272-21 MSD	SW-9 (22')	Total/NA	Solid	5035	

Prep Batch: 41070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-1	CS-1 (22')	Total/NA	Solid	5035	-
880-22272-2	CS-2 (22')	Total/NA	Solid	5035	
880-22272-4	CS-4 (22')	Total/NA	Solid	5035	
880-22272-5	CS-5 (22')	Total/NA	Solid	5035	
880-22272-6	CS-6 (22')	Total/NA	Solid	5035	

Eurofins Midland

Page 49 of 76

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 41070 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-7	CS-7 (22')	Total/NA	Solid	5035	
880-22272-8	CS-8 (22')	Total/NA	Solid	5035	
880-22272-9	CS-9 (22')	Total/NA	Solid	5035	
880-22272-10	CS-10 (15')	Total/NA	Solid	5035	
880-22272-11	CS-11 (15')	Total/NA	Solid	5035	
880-22272-12	CS-12 (15')	Total/NA	Solid	5035	
880-22272-13	SW-1 (22')	Total/NA	Solid	5035	
880-22272-14	SW-2 (22')	Total/NA	Solid	5035	
880-22272-15	SW-3 (22')	Total/NA	Solid	5035	
880-22272-16	SW-4 (22')	Total/NA	Solid	5035	
880-22272-17	SW-5 (22')	Total/NA	Solid	5035	
880-22272-18	SW-6 (22')	Total/NA	Solid	5035	
880-22272-19	SW-7 (22')	Total/NA	Solid	5035	
880-22272-20	SW-8 (22')	Total/NA	Solid	5035	
MB 880-41070/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-41070/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-41070/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22272-1 MS	CS-1 (22')	Total/NA	Solid	5035	
880-22272-1 MSD	CS-1 (22')	Total/NA	Solid	5035	

Analysis Batch: 41154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-1	CS-1 (22')	Total/NA	Solid	Total BTEX	
880-22272-2	CS-2 (22')	Total/NA	Solid	Total BTEX	
880-22272-3	CS-3 (22')	Total/NA	Solid	Total BTEX	
880-22272-4	CS-4 (22')	Total/NA	Solid	Total BTEX	
880-22272-5	CS-5 (22')	Total/NA	Solid	Total BTEX	
880-22272-6	CS-6 (22')	Total/NA	Solid	Total BTEX	
880-22272-7	CS-7 (22')	Total/NA	Solid	Total BTEX	
880-22272-8	CS-8 (22')	Total/NA	Solid	Total BTEX	
880-22272-9	CS-9 (22')	Total/NA	Solid	Total BTEX	
880-22272-10	CS-10 (15')	Total/NA	Solid	Total BTEX	
880-22272-11	CS-11 (15')	Total/NA	Solid	Total BTEX	
880-22272-12	CS-12 (15')	Total/NA	Solid	Total BTEX	
880-22272-13	SW-1 (22')	Total/NA	Solid	Total BTEX	
880-22272-14	SW-2 (22')	Total/NA	Solid	Total BTEX	
880-22272-15	SW-3 (22')	Total/NA	Solid	Total BTEX	
880-22272-16	SW-4 (22')	Total/NA	Solid	Total BTEX	
880-22272-17	SW-5 (22')	Total/NA	Solid	Total BTEX	
880-22272-18	SW-6 (22')	Total/NA	Solid	Total BTEX	
880-22272-19	SW-7 (22')	Total/NA	Solid	Total BTEX	
880-22272-20	SW-8 (22')	Total/NA	Solid	Total BTEX	
880-22272-21	SW-9 (22')	Total/NA	Solid	Total BTEX	
880-22272-22	SW-10 (22')	Total/NA	Solid	Total BTEX	
880-22272-23	SW-11 (22')	Total/NA	Solid	Total BTEX	
880-22272-24	SW-12 (22')	Total/NA	Solid	Total BTEX	
880-22272-25	SW-13 (22')	Total/NA	Solid	Total BTEX	
880-22272-26	SW-14 (22')	Total/NA	Solid	Total BTEX	
880-22272-27	SW-15 (22')	Total/NA	Solid	Total BTEX	
880-22272-28	SW-16 (22')	Total/NA	Solid	Total BTEX	
880-22272-29	SW-17 (7')	Total/NA	Solid	Total BTEX	

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Job ID: 880-22272-1 Client: Carmona Resources Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 41154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-30	SW-18 (7')	Total/NA	Solid	Total BTEX	
880-22272-31	SW-19 (15')	Total/NA	Solid	Total BTEX	
880-22272-32	SW-20 (15')	Total/NA	Solid	Total BTEX	
880-22272-33	SW-21 (15')	Total/NA	Solid	Total BTEX	
880-22272-34	SW-22 (15')	Total/NA	Solid	Total BTEX	
880-22272-35	SW-23 (15')	Total/NA	Solid	Total BTEX	
880-22272-36	SW-24 (15')	Total/NA	Solid	Total BTEX	
880-22272-37	SW-25 (15')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-1	CS-1 (22')	Total/NA	Solid	8015B NM	41083
880-22272-2	CS-2 (22')	Total/NA	Solid	8015B NM	41083
880-22272-3	CS-3 (22')	Total/NA	Solid	8015B NM	41083
880-22272-4	CS-4 (22')	Total/NA	Solid	8015B NM	41083
880-22272-5	CS-5 (22')	Total/NA	Solid	8015B NM	41083
880-22272-6	CS-6 (22')	Total/NA	Solid	8015B NM	41083
880-22272-7	CS-7 (22')	Total/NA	Solid	8015B NM	41083
880-22272-8	CS-8 (22')	Total/NA	Solid	8015B NM	41083
880-22272-9	CS-9 (22')	Total/NA	Solid	8015B NM	41083
880-22272-10	CS-10 (15')	Total/NA	Solid	8015B NM	41083
880-22272-11	CS-11 (15')	Total/NA	Solid	8015B NM	41083
880-22272-12	CS-12 (15')	Total/NA	Solid	8015B NM	41083
880-22272-13	SW-1 (22')	Total/NA	Solid	8015B NM	41083
880-22272-14	SW-2 (22')	Total/NA	Solid	8015B NM	41083
880-22272-15	SW-3 (22')	Total/NA	Solid	8015B NM	41083
880-22272-16	SW-4 (22')	Total/NA	Solid	8015B NM	41083
880-22272-17	SW-5 (22')	Total/NA	Solid	8015B NM	41083
880-22272-18	SW-6 (22')	Total/NA	Solid	8015B NM	41083
880-22272-19	SW-7 (22')	Total/NA	Solid	8015B NM	41083
880-22272-20	SW-8 (22')	Total/NA	Solid	8015B NM	41083
MB 880-41083/1-A	Method Blank	Total/NA	Solid	8015B NM	41083
LCS 880-41083/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41083
LCSD 880-41083/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41083
880-22272-1 MS	CS-1 (22')	Total/NA	Solid	8015B NM	41083
880-22272-1 MSD	CS-1 (22')	Total/NA	Solid	8015B NM	41083

Analysis Batch: 40987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-21	SW-9 (22')	Total/NA	Solid	8015B NM	41084
880-22272-22	SW-10 (22')	Total/NA	Solid	8015B NM	41084
880-22272-23	SW-11 (22')	Total/NA	Solid	8015B NM	41084
880-22272-24	SW-12 (22')	Total/NA	Solid	8015B NM	41084
880-22272-25	SW-13 (22')	Total/NA	Solid	8015B NM	41084
880-22272-26	SW-14 (22')	Total/NA	Solid	8015B NM	41084
880-22272-27	SW-15 (22')	Total/NA	Solid	8015B NM	41084
880-22272-28	SW-16 (22')	Total/NA	Solid	8015B NM	41084
880-22272-29	SW-17 (7')	Total/NA	Solid	8015B NM	41084
880-22272-30	SW-18 (7')	Total/NA	Solid	8015B NM	41084

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 40987 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-31	SW-19 (15')	Total/NA	Solid	8015B NM	41084
880-22272-32	SW-20 (15')	Total/NA	Solid	8015B NM	41084
880-22272-33	SW-21 (15')	Total/NA	Solid	8015B NM	41084
880-22272-34	SW-22 (15')	Total/NA	Solid	8015B NM	41084
880-22272-35	SW-23 (15')	Total/NA	Solid	8015B NM	41084
880-22272-36	SW-24 (15')	Total/NA	Solid	8015B NM	41084
880-22272-37	SW-25 (15')	Total/NA	Solid	8015B NM	41084
MB 880-41084/1-A	Method Blank	Total/NA	Solid	8015B NM	41084
LCS 880-41084/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41084
LCSD 880-41084/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41084
880-22272-21 MS	SW-9 (22')	Total/NA	Solid	8015B NM	41084
880-22272-21 MSD	SW-9 (22')	Total/NA	Solid	8015B NM	41084

Prep Batch: 41083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-1	CS-1 (22')	Total/NA	Solid	8015NM Prep	
880-22272-2	CS-2 (22')	Total/NA	Solid	8015NM Prep	
880-22272-3	CS-3 (22')	Total/NA	Solid	8015NM Prep	
880-22272-4	CS-4 (22')	Total/NA	Solid	8015NM Prep	
880-22272-5	CS-5 (22')	Total/NA	Solid	8015NM Prep	
880-22272-6	CS-6 (22')	Total/NA	Solid	8015NM Prep	
880-22272-7	CS-7 (22')	Total/NA	Solid	8015NM Prep	
880-22272-8	CS-8 (22')	Total/NA	Solid	8015NM Prep	
880-22272-9	CS-9 (22')	Total/NA	Solid	8015NM Prep	
880-22272-10	CS-10 (15')	Total/NA	Solid	8015NM Prep	
880-22272-11	CS-11 (15')	Total/NA	Solid	8015NM Prep	
880-22272-12	CS-12 (15')	Total/NA	Solid	8015NM Prep	
880-22272-13	SW-1 (22')	Total/NA	Solid	8015NM Prep	
880-22272-14	SW-2 (22')	Total/NA	Solid	8015NM Prep	
880-22272-15	SW-3 (22')	Total/NA	Solid	8015NM Prep	
880-22272-16	SW-4 (22')	Total/NA	Solid	8015NM Prep	
880-22272-17	SW-5 (22')	Total/NA	Solid	8015NM Prep	
880-22272-18	SW-6 (22')	Total/NA	Solid	8015NM Prep	
880-22272-19	SW-7 (22')	Total/NA	Solid	8015NM Prep	
880-22272-20	SW-8 (22')	Total/NA	Solid	8015NM Prep	
MB 880-41083/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41083/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41083/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22272-1 MS	CS-1 (22')	Total/NA	Solid	8015NM Prep	
880-22272-1 MSD	CS-1 (22')	Total/NA	Solid	8015NM Prep	

Prep Batch: 41084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-21	SW-9 (22')	Total/NA	Solid	8015NM Prep	-
880-22272-22	SW-10 (22')	Total/NA	Solid	8015NM Prep	
880-22272-23	SW-11 (22')	Total/NA	Solid	8015NM Prep	
880-22272-24	SW-12 (22')	Total/NA	Solid	8015NM Prep	
880-22272-25	SW-13 (22')	Total/NA	Solid	8015NM Prep	
880-22272-26	SW-14 (22')	Total/NA	Solid	8015NM Prep	
880-22272-27	SW-15 (22')	Total/NA	Solid	8015NM Prep	
880-22272-28	SW-16 (22')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

12/6/2022

Page 52 of 76

Job ID: 880-22272-1 Client: Carmona Resources Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 41084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-29	SW-17 (7')	Total/NA	Solid	8015NM Prep	
880-22272-30	SW-18 (7')	Total/NA	Solid	8015NM Prep	
880-22272-31	SW-19 (15')	Total/NA	Solid	8015NM Prep	
880-22272-32	SW-20 (15')	Total/NA	Solid	8015NM Prep	
880-22272-33	SW-21 (15')	Total/NA	Solid	8015NM Prep	
880-22272-34	SW-22 (15')	Total/NA	Solid	8015NM Prep	
880-22272-35	SW-23 (15')	Total/NA	Solid	8015NM Prep	
880-22272-36	SW-24 (15')	Total/NA	Solid	8015NM Prep	
880-22272-37	SW-25 (15')	Total/NA	Solid	8015NM Prep	
MB 880-41084/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41084/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41084/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22272-21 MS	SW-9 (22')	Total/NA	Solid	8015NM Prep	
880-22272-21 MSD	SW-9 (22')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
380-22272-1	CS-1 (22')	Total/NA	Solid	8015 NM	_
380-22272-2	CS-2 (22')	Total/NA	Solid	8015 NM	
380-22272-3	CS-3 (22')	Total/NA	Solid	8015 NM	
380-22272-4	CS-4 (22')	Total/NA	Solid	8015 NM	
380-22272-5	CS-5 (22')	Total/NA	Solid	8015 NM	
380-22272-6	CS-6 (22')	Total/NA	Solid	8015 NM	
880-22272-7	CS-7 (22')	Total/NA	Solid	8015 NM	
80-22272-8	CS-8 (22')	Total/NA	Solid	8015 NM	
80-22272-9	CS-9 (22')	Total/NA	Solid	8015 NM	
880-22272-10	CS-10 (15')	Total/NA	Solid	8015 NM	
880-22272-11	CS-11 (15')	Total/NA	Solid	8015 NM	
80-22272-12	CS-12 (15')	Total/NA	Solid	8015 NM	
880-22272-13	SW-1 (22')	Total/NA	Solid	8015 NM	
80-22272-14	SW-2 (22')	Total/NA	Solid	8015 NM	
80-22272-15	SW-3 (22')	Total/NA	Solid	8015 NM	
80-22272-16	SW-4 (22')	Total/NA	Solid	8015 NM	
80-22272-17	SW-5 (22')	Total/NA	Solid	8015 NM	
80-22272-18	SW-6 (22')	Total/NA	Solid	8015 NM	
80-22272-19	SW-7 (22')	Total/NA	Solid	8015 NM	
80-22272-20	SW-8 (22')	Total/NA	Solid	8015 NM	
80-22272-21	SW-9 (22')	Total/NA	Solid	8015 NM	
880-22272-22	SW-10 (22')	Total/NA	Solid	8015 NM	
80-22272-23	SW-11 (22')	Total/NA	Solid	8015 NM	
80-22272-24	SW-12 (22')	Total/NA	Solid	8015 NM	
80-22272-25	SW-13 (22')	Total/NA	Solid	8015 NM	
80-22272-26	SW-14 (22')	Total/NA	Solid	8015 NM	
80-22272-27	SW-15 (22')	Total/NA	Solid	8015 NM	
80-22272-28	SW-16 (22')	Total/NA	Solid	8015 NM	
80-22272-29	SW-17 (7')	Total/NA	Solid	8015 NM	
80-22272-30	SW-18 (7')	Total/NA	Solid	8015 NM	
80-22272-31	SW-19 (15')	Total/NA	Solid	8015 NM	
80-22272-32	SW-20 (15')	Total/NA	Solid	8015 NM	
880-22272-33	SW-21 (15')	Total/NA	Solid	8015 NM	
80-22272-34	SW-22 (15')	Total/NA	Solid	8015 NM	

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12/6/2022

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 41126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-35	SW-23 (15')	Total/NA	Solid	8015 NM	
880-22272-36	SW-24 (15')	Total/NA	Solid	8015 NM	
880-22272-37	SW-25 (15')	Total/NA	Solid	8015 NM	

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Leach Batch: 41081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-22272-1	CS-1 (22')	Soluble	Solid	DI Leach	
880-22272-2	CS-2 (22')	Soluble	Solid	DI Leach	
880-22272-3	CS-3 (22')	Soluble	Solid	DI Leach	
880-22272-4	CS-4 (22')	Soluble	Solid	DI Leach	
880-22272-5	CS-5 (22')	Soluble	Solid	DI Leach	
880-22272-6	CS-6 (22')	Soluble	Solid	DI Leach	
880-22272-7	CS-7 (22')	Soluble	Solid	DI Leach	
880-22272-8	CS-8 (22')	Soluble	Solid	DI Leach	
880-22272-9	CS-9 (22')	Soluble	Solid	DI Leach	
880-22272-10	CS-10 (15')	Soluble	Solid	DI Leach	
880-22272-11	CS-11 (15')	Soluble	Solid	DI Leach	
880-22272-12	CS-12 (15')	Soluble	Solid	DI Leach	
880-22272-13	SW-1 (22')	Soluble	Solid	DI Leach	
880-22272-14	SW-2 (22')	Soluble	Solid	DI Leach	
880-22272-15	SW-3 (22')	Soluble	Solid	DI Leach	
880-22272-16	SW-4 (22')	Soluble	Solid	DI Leach	
880-22272-17	SW-5 (22')	Soluble	Solid	DI Leach	
880-22272-18	SW-6 (22')	Soluble	Solid	DI Leach	
880-22272-19	SW-7 (22')	Soluble	Solid	DI Leach	
880-22272-20	SW-8 (22')	Soluble	Solid	DI Leach	
MB 880-41081/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41081/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41081/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22272-1 MS	CS-1 (22')	Soluble	Solid	DI Leach	
880-22272-1 MSD	CS-1 (22')	Soluble	Solid	DI Leach	
880-22272-11 MS	CS-11 (15')	Soluble	Solid	DI Leach	
880-22272-11 MSD	CS-11 (15')	Soluble	Solid	DI Leach	

Leach Batch: 41082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-21	SW-9 (22')	Soluble	Solid	DI Leach	
880-22272-22	SW-10 (22')	Soluble	Solid	DI Leach	
880-22272-23	SW-11 (22')	Soluble	Solid	DI Leach	
880-22272-24	SW-12 (22')	Soluble	Solid	DI Leach	
880-22272-25	SW-13 (22')	Soluble	Solid	DI Leach	
880-22272-26	SW-14 (22')	Soluble	Solid	DI Leach	
880-22272-27	SW-15 (22')	Soluble	Solid	DI Leach	
880-22272-28	SW-16 (22')	Soluble	Solid	DI Leach	
880-22272-29	SW-17 (7')	Soluble	Solid	DI Leach	
880-22272-30	SW-18 (7')	Soluble	Solid	DI Leach	
880-22272-31	SW-19 (15')	Soluble	Solid	DI Leach	
880-22272-32	SW-20 (15')	Soluble	Solid	DI Leach	
880-22272-33	SW-21 (15')	Soluble	Solid	DI Leach	

Job ID: 880-22272-1 Client: Carmona Resources Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 41082 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-34	SW-22 (15')	Soluble	Solid	DI Leach	
880-22272-35	SW-23 (15')	Soluble	Solid	DI Leach	
880-22272-36	SW-24 (15')	Soluble	Solid	DI Leach	
880-22272-37	SW-25 (15')	Soluble	Solid	DI Leach	
MB 880-41082/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41082/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41082/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22272-21 MS	SW-9 (22')	Soluble	Solid	DI Leach	
880-22272-21 MSD	SW-9 (22')	Soluble	Solid	DI Leach	
880-22272-31 MS	SW-19 (15')	Soluble	Solid	DI Leach	
880-22272-31 MSD	SW-19 (15')	Soluble	Solid	DI Leach	

Analysis Batch: 41094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-1	CS-1 (22')	Soluble	Solid	300.0	41081
880-22272-2	CS-2 (22')	Soluble	Solid	300.0	41081
880-22272-3	CS-3 (22')	Soluble	Solid	300.0	41081
880-22272-4	CS-4 (22')	Soluble	Solid	300.0	41081
880-22272-5	CS-5 (22')	Soluble	Solid	300.0	41081
880-22272-6	CS-6 (22')	Soluble	Solid	300.0	41081
880-22272-7	CS-7 (22')	Soluble	Solid	300.0	41081
880-22272-8	CS-8 (22')	Soluble	Solid	300.0	41081
880-22272-9	CS-9 (22')	Soluble	Solid	300.0	41081
880-22272-10	CS-10 (15')	Soluble	Solid	300.0	41081
880-22272-11	CS-11 (15')	Soluble	Solid	300.0	41081
880-22272-12	CS-12 (15')	Soluble	Solid	300.0	41081
880-22272-13	SW-1 (22')	Soluble	Solid	300.0	41081
880-22272-14	SW-2 (22')	Soluble	Solid	300.0	41081
880-22272-15	SW-3 (22')	Soluble	Solid	300.0	41081
880-22272-16	SW-4 (22')	Soluble	Solid	300.0	41081
880-22272-17	SW-5 (22')	Soluble	Solid	300.0	41081
880-22272-18	SW-6 (22')	Soluble	Solid	300.0	41081
880-22272-19	SW-7 (22')	Soluble	Solid	300.0	41081
880-22272-20	SW-8 (22')	Soluble	Solid	300.0	41081
MB 880-41081/1-A	Method Blank	Soluble	Solid	300.0	41081
LCS 880-41081/2-A	Lab Control Sample	Soluble	Solid	300.0	41081
LCSD 880-41081/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41081
880-22272-1 MS	CS-1 (22')	Soluble	Solid	300.0	41081
880-22272-1 MSD	CS-1 (22')	Soluble	Solid	300.0	41081
880-22272-11 MS	CS-11 (15')	Soluble	Solid	300.0	41081
880-22272-11 MSD	CS-11 (15')	Soluble	Solid	300.0	41081

Analysis Batch: 41095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-21	SW-9 (22')	Soluble	Solid	300.0	41082
880-22272-22	SW-10 (22')	Soluble	Solid	300.0	41082
880-22272-23	SW-11 (22')	Soluble	Solid	300.0	41082
880-22272-24	SW-12 (22')	Soluble	Solid	300.0	41082
880-22272-25	SW-13 (22')	Soluble	Solid	300.0	41082
880-22272-26	SW-14 (22')	Soluble	Solid	300.0	41082
880-22272-27	SW-15 (22')	Soluble	Solid	300.0	41082

Client: Carmona Resources

Job ID: 880-22272-1
Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 41095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22272-28	SW-16 (22')	Soluble	Solid	300.0	41082
880-22272-29	SW-17 (7')	Soluble	Solid	300.0	41082
880-22272-30	SW-18 (7')	Soluble	Solid	300.0	41082
880-22272-31	SW-19 (15')	Soluble	Solid	300.0	41082
880-22272-32	SW-20 (15')	Soluble	Solid	300.0	41082
880-22272-33	SW-21 (15')	Soluble	Solid	300.0	41082
880-22272-34	SW-22 (15')	Soluble	Solid	300.0	41082
880-22272-35	SW-23 (15')	Soluble	Solid	300.0	41082
880-22272-36	SW-24 (15')	Soluble	Solid	300.0	41082
880-22272-37	SW-25 (15')	Soluble	Solid	300.0	41082
MB 880-41082/1-A	Method Blank	Soluble	Solid	300.0	41082
LCS 880-41082/2-A	Lab Control Sample	Soluble	Solid	300.0	41082
LCSD 880-41082/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41082
880-22272-21 MS	SW-9 (22')	Soluble	Solid	300.0	41082
880-22272-21 MSD	SW-9 (22')	Soluble	Solid	300.0	41082
880-22272-31 MS	SW-19 (15')	Soluble	Solid	300.0	41082
880-22272-31 MSD	SW-19 (15')	Soluble	Solid	300.0	41082

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Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: CS-1 (22') Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-1

Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/05/22 21:32	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 22:46	CH	EET MID

Lab Sample ID: 880-22272-2 Client Sample ID: CS-2 (22')

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

Batch Batch Dil Initial Final Batch Prepared Method Number or Analyzed **Prep Type** Type Run **Factor Amount** Amount **Analyst** Lab Total/NA Prep 5035 5 mL 41070 12/05/22 14:23 MNR EET MID 4.95 g Total/NA 8021B 5 mL 41043 12/05/22 20:34 MNR **EET MID** Analysis 5 mL 1 Total/NA Total BTEX 12/06/22 11:44 SM Analysis 41154 **EET MID** 1 12/06/22 09:41 AJ Total/NA 8015 NM **EET MID** Analysis 1 41126 Total/NA Prep 8015NM Prep 10.02 g 10 mL 41083 12/05/22 15:03 DM **EET MID** Total/NA 8015B NM 40985 12/05/22 22:38 AJ Analysis 1 uL 1 uL **EET MID** Soluble 5.04 g 50 mL 41081 Leach DI Leach 12/05/22 14:53 KS **EET MID** 300.0 12/05/22 23:06 CH Soluble Analysis 1 41094 **EET MID**

Client Sample ID: CS-3 (22') Lab Sample ID: 880-22272-3

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40902	12/05/22 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41033	12/06/22 09:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 10:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/05/22 23:00	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 23:12	CH	EET MID

Client Sample ID: CS-4 (22') Lab Sample ID: 880-22272-4

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	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 21:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID

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Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

Released to Imaging: 12/21/2022 1:56:34 PM

Client Sample ID: CS-4 (22')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/05/22 23:22	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 23:19	CH	EET MID

Client Sample ID: CS-5 (22') Lab Sample ID: 880-22272-5 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Batch Dil Initial Final **Batch** Batch Prepared **Prep Type** Method Amount Amount Number Type Run **Factor** or Analyzed Analyst Lab Total/NA Prep 5035 41070 5.00 g 12/05/22 14:23 5 mL MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 41043 12/05/22 21:35 MNR **EET MID** 1 Total/NA **EET MID** Analysis Total BTEX 1 41154 12/06/22 11:44 SM Total/NA 8015 NM 12/06/22 09:41 AJ Analysis 41126 **EET MID** Total/NA Prep 8015NM Prep 10.00 g 41083 12/05/22 15:03 DM **EET MID** 10 mL Total/NA 8015B NM 40985 12/05/22 23:44 AJ Analysis 1 uL 1 uL **EET MID** Soluble Leach DI Leach 5.02 g 50 mL 41081 12/05/22 14:53 KS **EET MID** Analysis 300.0 41094 12/05/22 23:26 CH **EET MID** Soluble 1

Client Sample ID: CS-6 (22') Lab Sample ID: 880-22272-6 Date Collected: 12/05/22 00:00 Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 21:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 00:05	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 23:46	CH	EET MID

Client Sample ID: CS-7 (22') Lab Sample ID: 880-22272-7 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 22:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	41083 40985	12/05/22 15:03 12/06/22 00:27	DM AJ	EET MID EET MID

Job ID: 880-22272-1

SDG: Lea Co, NM

Client Sample ID: CS-7 (22')

Project/Site: Mallon 33 Federal #4

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Client: Carmona Resources

Lab Sample ID: 880-22272-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 23:52	CH	EET MID

Lab Sample ID: 880-22272-8 Client Sample ID: CS-8 (22') Matrix: Solid

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 22:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 00:48	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 23:59	CH	EET MID

Lab Sample ID: 880-22272-9 Client Sample ID: CS-9 (22') Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 22:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 01:10	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 00:05	CH	EET MID

Lab Sample ID: 880-22272-10 Client Sample ID: CS-10 (15') Date Collected: 12/05/22 00:00

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 23:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 01:32	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 00:12	CH	EET MID

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Matrix: Solid

Job ID: 880-22272-1

SDG: Lea Co, NM

Client Sample ID: CS-11 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 02:14	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 00:19	CH	EET MID

Lab Sample ID: 880-22272-12

Date Collected: 12/05/22 00:00

Client Sample ID: CS-12 (15')

Date Received: 12/05/22 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 02:36	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 00:39	CH	EET MID

Client Sample ID: SW-1 (22') Lab Sample ID: 880-22272-13 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 02:57	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 00:46	CH	EET MID

Client Sample ID: SW-2 (22') Lab Sample ID: 880-22272-14

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

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	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID

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Matrix: Solid

Page 60 of 76

Date Received: 12/05/22 00:00

Client: Carmona Resources Job ID: 880-22272-1 Project/Site: Mallon 33 Federal #4 SDG: Lea Co, NM

Client Sample ID: SW-2 (22') Lab Sample ID: 880-22272-14 Date Collected: 12/05/22 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 03:19	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 01:06	CH	EET MID

Client Sample ID: SW-3 (22') Lab Sample ID: 880-22272-15

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 02:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 03:40	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 01:12	CH	EET MID

Client Sample ID: SW-4 (22') Lab Sample ID: 880-22272-16 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41070	12/05/22 14:23	MNR	EET MI
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 02:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MI
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MII
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MII
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 04:02	AJ	EET MII
Soluble	Leach	DI Leach			4.96 g	50 mL	41081	12/05/22 14:53	KS	EET MII
Soluble	Analysis	300.0		1			41094	12/06/22 01:19	CH	EET MII

Client Sample ID: SW-5 (22') Lab Sample ID: 880-22272-17 Date Collected: 12/05/22 00:00

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g 1 uL	10 mL 1 uL	41083 40985	12/05/22 15:03 12/06/22 04:23	DM AJ	EET MID EET MID

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Matrix: Solid

Page 61 of 76

Job ID: 880-22272-1 SDG: Lea Co, NM

Client: Carmona Resources
Project/Site: Mallon 33 Federal #4

Client Sample ID: SW-5 (22')

Lab Sample IE

Lab Sample ID: 880-22272-17

. Matrix: Solid

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 01:26	CH	EET MID

Client Sample ID: SW-6 (22') Lab Sample ID: 880-22272-18

Date Collected: 12/05/22 00:00 Matrix: Solid
Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 04:45	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 01:32	CH	EET MID

Client Sample ID: SW-7 (22') Lab Sample ID: 880-22272-19

Date Collected: 12/05/22 00:00 Matrix: Solid
Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 05:06	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 01:39	CH	EET MID

Client Sample ID: SW-8 (22')

Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-20

Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41070	12/05/22 14:23	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 09:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41083	12/05/22 15:03	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40985	12/06/22 05:28	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/06/22 01:46	CH	EET MID

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Client Sample ID: SW-9 (22')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 07:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/05/22 21:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 02:39	CH	EET MID

Client Sample ID: SW-10 (22') Lab Sample ID: 880-22272-22

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 08:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	41084 40987	12/05/22 15:06 12/05/22 22:38		EET MID EET MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5.01 g	50 mL	41082 41095	12/05/22 14:54 12/06/22 02:59		EET MID EET MID

Client Sample ID: SW-11 (22') Lab Sample ID: 880-22272-23 Date Collected: 12/05/22 00:00 Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 08:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/05/22 23:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:05	CH	EET MID

Client Sample ID: SW-12 (22') Lab Sample ID: 880-22272-24

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035		- actor	5.01 g	5 mL	41044	12/05/22 14:10		EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 08:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID

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Matrix: Solid

Job ID: 880-22272-1 SDG: Lea Co, NM

Client Sample ID: SW-12 (22')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-24

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/05/22 23:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:12	CH	EET MID

Client Sample ID: SW-13 (22') Lab Sample ID: 880-22272-25 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Method Amount Amount Number Type Run **Factor** or Analyzed **Analyst** Lab Total/NA 5035 41044 12/05/22 14:10 Prep 5.03 g 5 mL MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 41043 12/06/22 09:10 MNR **EET MID** 1 Total/NA Analysis Total BTEX 1 41154 12/06/22 11:44 SM **EET MID** Total/NA 8015 NM 41126 12/06/22 10:09 AJ EET MID Analysis Total/NA Prep 8015NM Prep 10.00 g 10 mL 41084 12/05/22 15:06 DM **EET MID** Total/NA 8015B NM 40987 12/05/22 23:44 SM Analysis 1 uL 1 uL **EET MID** 5.03 g 12/05/22 14:54 KS Soluble Leach DI Leach 50 mL 41082 **EET MID** Analysis 300.0 41095 12/06/22 03:19 CH **EET MID** Soluble 1

Client Sample ID: SW-14 (22') Lab Sample ID: 880-22272-26 Date Collected: 12/05/22 00:00 Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 09:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 00:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:39	CH	EET MID

Client Sample ID: SW-15 (22') Lab Sample ID: 880-22272-27

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 09:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	41084 40987	12/05/22 15:06 12/06/22 00:27	DM SM	EET MID EET MID

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Matrix: Solid

Page 64 of 76

Project/Site: Mallon 33 Federal #4

Date Received: 12/05/22 00:00

Client: Carmona Resources

Job ID: 880-22272-1 SDG: Lea Co, NM

Client Sample ID: SW-15 (22')

Lab Sample ID: 880-22272-27 Date Collected: 12/05/22 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:45	CH	EET MID

Lab Sample ID: 880-22272-28 Client Sample ID: SW-16 (22')

Date Collected: 12/05/22 00:00 Matrix: Solid Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 10:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 00:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:52	CH	EET MID

Lab Sample ID: 880-22272-29 Client Sample ID: SW-17 (7')

Date Collected: 12/05/22 00:00 **Matrix: Solid** Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 10:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 01:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:59	CH	EET MID

Client Sample ID: SW-18 (7') Lab Sample ID: 880-22272-30 Date Collected: 12/05/22 00:00 Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 10:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 01:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 04:05	CH	EET MID

Job ID: 880-22272-1 SDG: Lea Co, NM

Client Sample ID: SW-19 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-31

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	41044	12/05/22 13:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 02:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 04:12	CH	EET MID

Client Sample ID: SW-20 (15')

Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-32

Matrix: Solid

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Batch Batch Dil Initial Final Batch Prepared Method Number **Prep Type** Type Run **Factor Amount** Amount or Analyzed **Analyst** Lab Total/NA Prep 5035 41044 12/05/22 13:38 MNR EET MID 5.01 g 5 mL Total/NA 8021B 5 mL 41043 12/06/22 13:02 MNR **EET MID** Analysis 5 mL 1 Total/NA Total BTEX 12/06/22 15:29 SM Analysis 41154 **EET MID** 1 Total/NA 8015 NM **EET MID** Analysis 1 41126 12/06/22 10:09 AJ Total/NA Prep 8015NM Prep 10.03 g 10 mL 41084 12/05/22 15:06 DM **EET MID** Total/NA 8015B NM 40987 12/06/22 02:36 SM Analysis 1 uL 1 uL **EET MID** Soluble 5.05 g 50 mL 41082 12/05/22 14:54 KS Leach DI Leach **EET MID** 300.0 41095 12/06/22 04:32 CH Soluble Analysis 1 **EET MID**

Client Sample ID: SW-21 (15')

Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-33

Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40902	12/05/22 14:10	MNR	EET MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	41033	12/06/22 06:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 10:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 02:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 04:39	CH	EET MI

Client Sample ID: SW-22 (15')

Date Collected: 12/05/22 00:00

Lab Sample ID: 880-22272-34

Matrix: Solid

Date Received: 12/05/22 00:00

D T	Batch	Batch	D	Dil	Initial	Final	Batch	Prepared	Amaliant	11.
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40902	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41033	12/06/22 07:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 10:52	SM	EET MID

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Job ID: 880-22272-1

SDG: Lea Co, NM

Client Sample ID: SW-22 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00

Project/Site: Mallon 33 Federal #4

Client: Carmona Resources

Lab Sample ID: 880-22272-34

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Pr	ер Туре	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
To	tal/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
То	tal/NA	Prep	8015NM Prep			10.00 g	10 mL	41084	12/05/22 15:06	DM	EET MID
То	tal/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 03:19	SM	EET MID
Sc	oluble	Leach	DI Leach			5.03 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Sc	oluble	Analysis	300.0		1			41095	12/06/22 04:59	CH	EET MID

Client Sample ID: SW-23 (15') Lab Sample ID: 880-22272-35 Date Collected: 12/05/22 00:00 **Matrix: Solid**

Date Received: 12/05/22 00:00

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Method Amount Amount Number Type Run **Factor** or Analyzed **Analyst** Lab Total/NA 5035 40902 12/05/22 14:10 Prep 5.03 g 5 mL MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 41033 12/06/22 07:28 MNR **EET MID** 1 Total/NA Analysis Total BTEX 1 41154 12/06/22 10:52 SM **EET MID** Total/NA 8015 NM 41126 Analysis 12/06/22 10:09 AJ **EET MID** Total/NA Prep 8015NM Prep 10.01 g 10 mL 41084 12/05/22 15:06 DM **EET MID** Total/NA 8015B NM 40987 12/06/22 03:40 SM Analysis 1 uL 1 uL **EET MID** Soluble Leach DI Leach 4.98 g 50 mL 41082 12/05/22 14:54 KS **EET MID** Analysis 300.0 41095 12/06/22 05:05 CH **EET MID** Soluble 1

Client Sample ID: SW-24 (15') Lab Sample ID: 880-22272-36 Date Collected: 12/05/22 00:00 Matrix: Solid

Date Received: 12/05/22 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	40902	12/05/22 14:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41033	12/06/22 07:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 10:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41084	12/05/22 15:06	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40987	12/06/22 04:02	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 05:12	CH	EET MID

Client Sample ID: SW-25 (15') Lab Sample ID: 880-22272-37 Date Collected: 12/05/22 00:00

Date Received: 12/05/22 00:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40902	12/05/22 14:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41033	12/06/22 08:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 10:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	41084 40987	12/05/22 15:06 12/06/22 04:23	DM SM	EET MID EET MID

Eurofins Midland

Page 67 of 76

Matrix: Solid

Lab Chronicle

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Client Sample ID: SW-25 (15')

Date Collected: 12/05/22 00:00 Date Received: 12/05/22 00:00 Lab Sample ID: 880-22272-37

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 05:19	CH	EET MID

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-22272-1

Project/Site: Mallon 33 Federal #4

SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	<u>F</u>	rogram	Identification Number	Expiration Date
exas	N	IELAP	T104704400-22-24	06-30-23
The following analyte:	s are included in this rep	oort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	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 (Ove	er C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (G	GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oll Range Organics (Over C	28-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	

Eurofins Midland

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Method Summary

Client: Carmona Resources Project/Site: Mallon 33 Federal #4 Job ID: 880-22272-1 SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3015B 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
3015NM Prep	Microextraction	SW846	EET MID
Ol 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: Mallon 33 Federal #4 Job ID: 880-22272-1

SDG: Lea Co, NM

Solid 12/05/22 00:00 12/05/22 00:0	Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22272-3 CS-3 (22') Solid 12/05/22 00:00	880-22272-1	CS-1 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-2227-4 CS-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-5 CS-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-7 CS-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-8 CS-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-9 CS-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-12 CS-12 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22')	880-22272-2	CS-2 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-5 CS-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-6 CS-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-8 CS-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-9 CS-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') <td< td=""><td>880-22272-3</td><td>CS-3 (22')</td><td>Solid</td><td>12/05/22 00:00</td><td>12/05/22 00:00</td></td<>	880-22272-3	CS-3 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-6 CS-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-7 CS-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-8 CS-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-9 CS-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') <td< td=""><td>880-22272-4</td><td>CS-4 (22')</td><td>Solid</td><td>12/05/22 00:00</td><td>12/05/22 00:00</td></td<>	880-22272-4	CS-4 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-7 CS-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-8 CS-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-9 CS-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-12 CS-12 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-29 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') <	880-22272-5	CS-5 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-8 CS-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-9 CS-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-10 (22')	880-22272-6	CS-6 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-9 CS-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-12 CS-12 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22')	880-22272-7	CS-7 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-10 CS-10 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-12 CS-12 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00	880-22272-8	CS-8 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-11 CS-11 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-12 CS-12 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-10 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-23 SW-11 (22')	880-22272-9	CS-9 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-12 CS-12 (15') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-11 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-23 SW-11 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-24 SW-12 (2')	880-22272-10	CS-10 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-13 SW-1 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-10 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-23 SW-11 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-24 SW-12 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-25 SW-13 (22')	880-22272-11	CS-11 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-14 SW-2 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-10 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-23 SW-11 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-24 SW-12 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-25 SW-13 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-26 SW-14 (22')	880-22272-12	CS-12 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-15 SW-3 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-10 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-23 SW-11 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-24 SW-12 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-25 SW-33 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-26 SW-14 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-27 SW-15 (22')	880-22272-13	SW-1 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-16 SW-4 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-17 SW-5 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-18 SW-6 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-19 SW-7 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-20 SW-8 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-21 SW-9 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-22 SW-10 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-23 SW-11 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-24 SW-12 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-25 SW-13 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-26 SW-14 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-27 SW-15 (22') Solid 12/05/22 00:00 12/05/22 00:00 880-22272-28 SW-16 (22')	880-22272-14	SW-2 (22')	Solid	12/05/22 00:00	12/05/22 00:00
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` '	880-22272-36	SW-24 (15')	Solid	12/05/22 00:00	12/05/22 00:00
	880-22272-37	SW-25 (15')	Solid	12/05/22 00:00	12/05/22 00:00

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Project Manager Ashton Thielke			e ZIP	Phone 432-813-5347	Project Name. Mallon 33 Federal #4	Project Number 1140	Project Location Lea Co, NM	Sampler's Name. AT	PO#	SAMPLE RECEIPT Temp Blank		Cooler Custody Seals. Yes No N/A	No		Total Containers	Sample Identification Date	Identification 12	Identification -11 (15) -12 (15)	Identification -11 (15) -12 (15') -1 (22')	Identification -11 (15') -12 (15') -1-1 (22')	Identification -11 (15) -12 (15) -1 (22) -1 (22) -1 (22)	Identification -11 (15) -12 (15') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22')	Identification 11 (15) -12 (15) -1 (22) -1 (22) -2 (22) -2 (22) -3 (22) -4 (22) -5 (22)	Identification -11 (15') -12 (15') -1-1 (22') -1-2 (22') -1-3 (22') -1-3 (22') -1-4 (22') -1-5 (22') -1-6 (22')	Identification -11 (15) -12 (15) -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22')	Identification 11 (15) -12 (15) -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22')	Identification -11 (15) -12 (15) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22) -1 (22)	Identification -11 (15) -12 (15') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22')	Identification	Identification -11 (15) -12 (15) -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22') -1 (22')
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Revised Date 05012020 Rev 2020 1

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22272-1

SDG Number: Lea Co, NM

Login Number: 22272 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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

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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

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 169253

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	169253
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	12/21/2022