

CARMONA RESOURCES



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



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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.



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

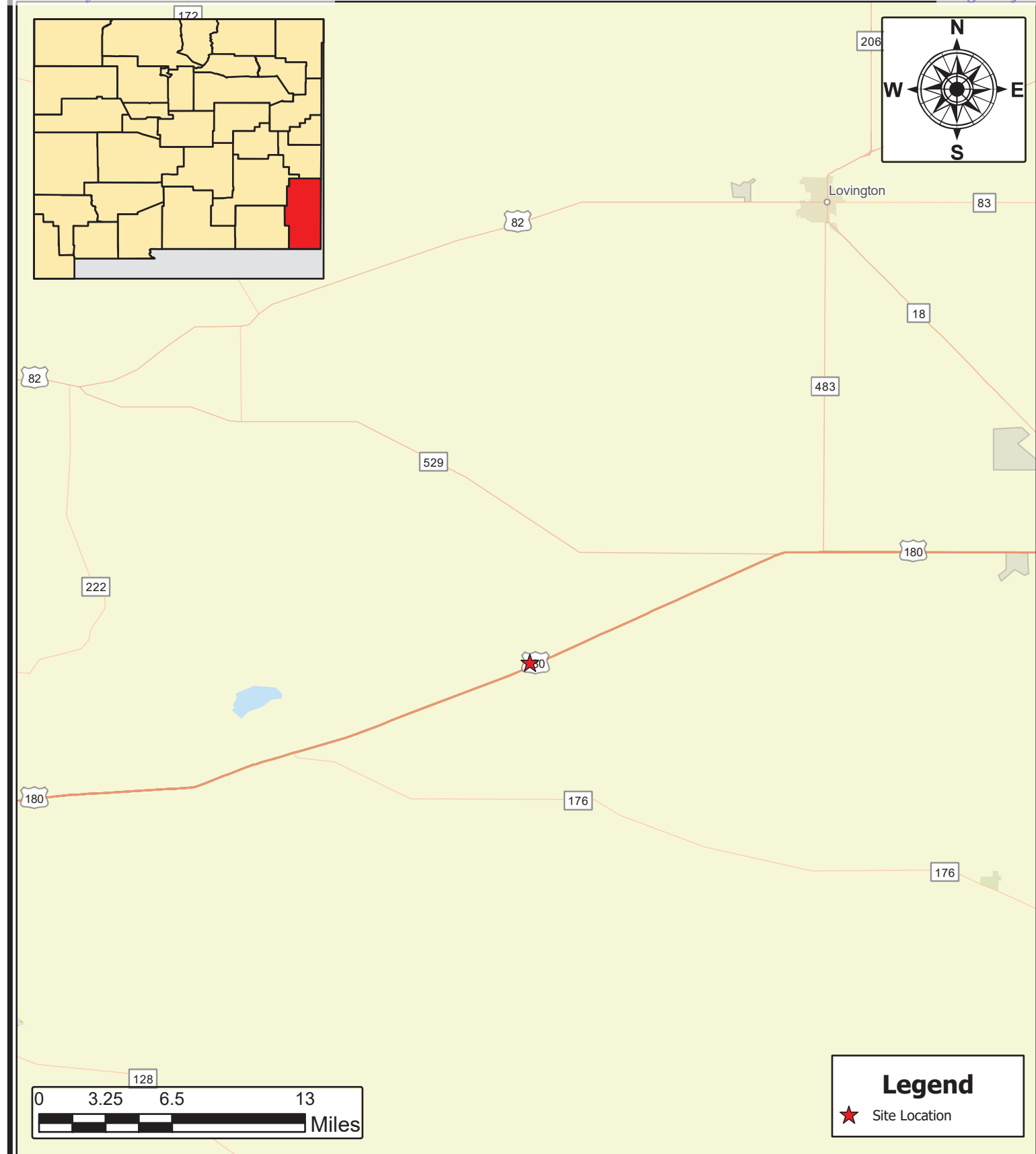
Mike Carmona
Environmental Manager

Ashton Thielke
Sr. Project Manager

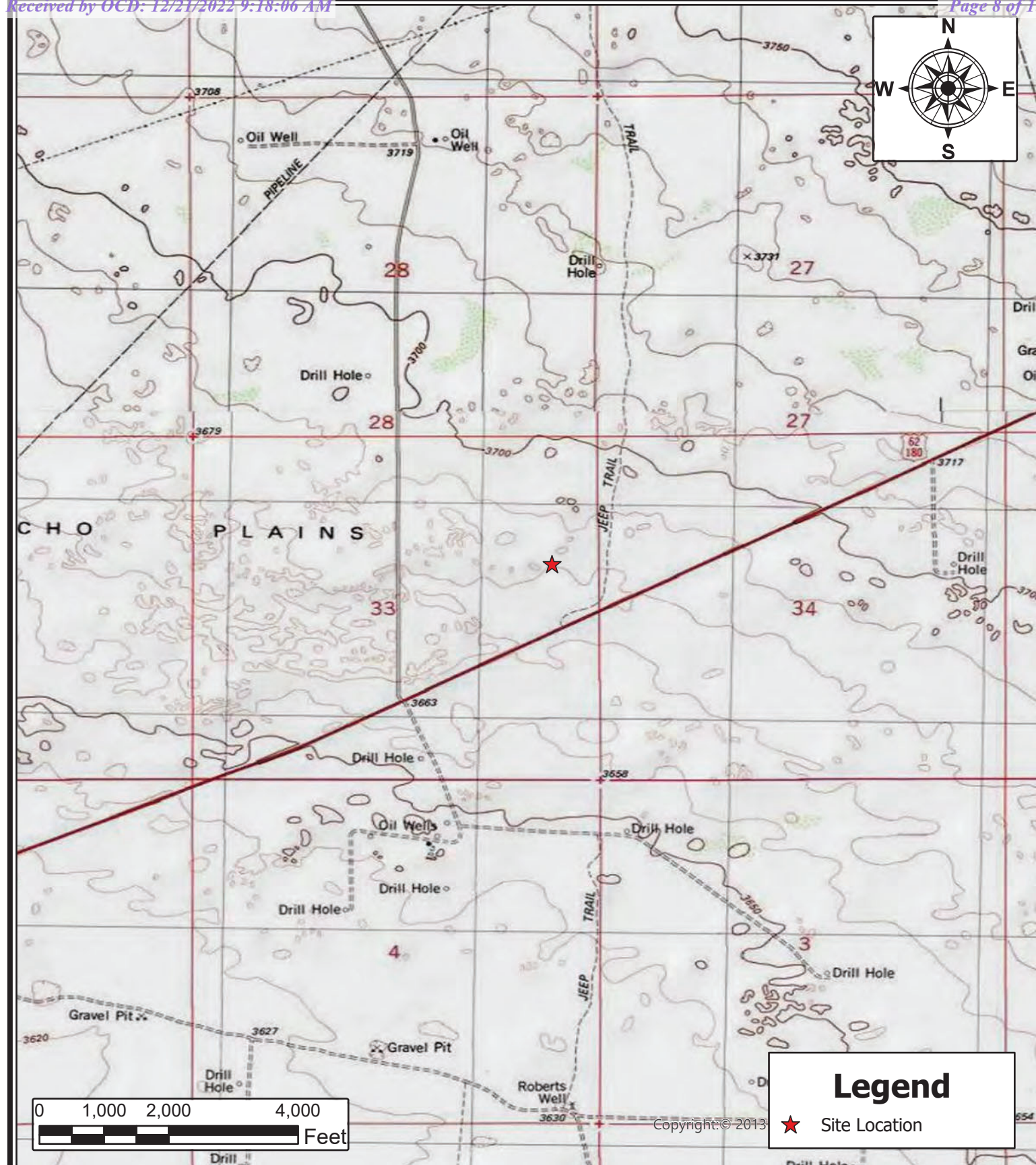
FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP CIMAREX ENERGY CO. OF COLORADO MALLON 33 FEDERAL #4 LEA COUNTY, NEW MEXICO 32.61858, -103.55856</p>	<p> Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2022 2. Map Projection: WGS84</p>	<p>DRAWING NUMBER: FIGURE 1</p>
<p>SCALE: As Shown</p>	<p>Date: 12/8/2022</p>		<p>SHEET NUMBER: 1 of 1</p>



TOPOGRAPHIC MAP
CIMAREX ENERGY CO. OF COLORADO
 MALLON 33 FEDERAL #4
 LEA COUNTY, NEW MEXICO
 32.61858, -103.55856

SCALE: As Shown

Date: 12/8/2022



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

NOTES:

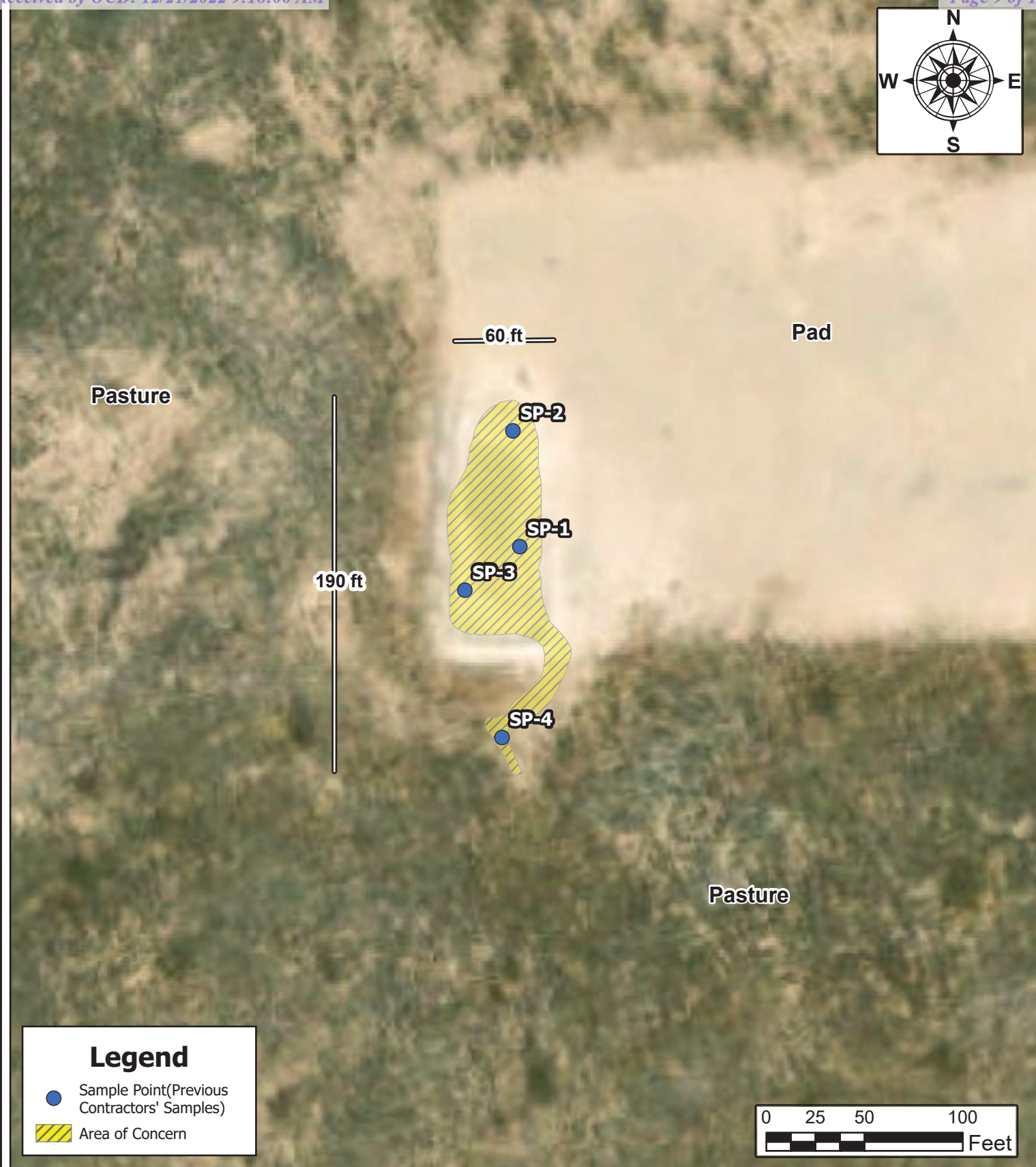
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



Legend

- Sample Point(Previous Contractors' Samples)
- ▨ Area of Concern

0 25 50 100
Feet

SAMPLE LOCATION MAP
CIMAREX ENERGY CO. OF COLORADO
MALLON 33 FEDERAL #4
LEA COUNTY, NEW MEXICO
32.61858, -103.55856

SCALE: As Shown

Date: 12/8/2022



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

NOTES:

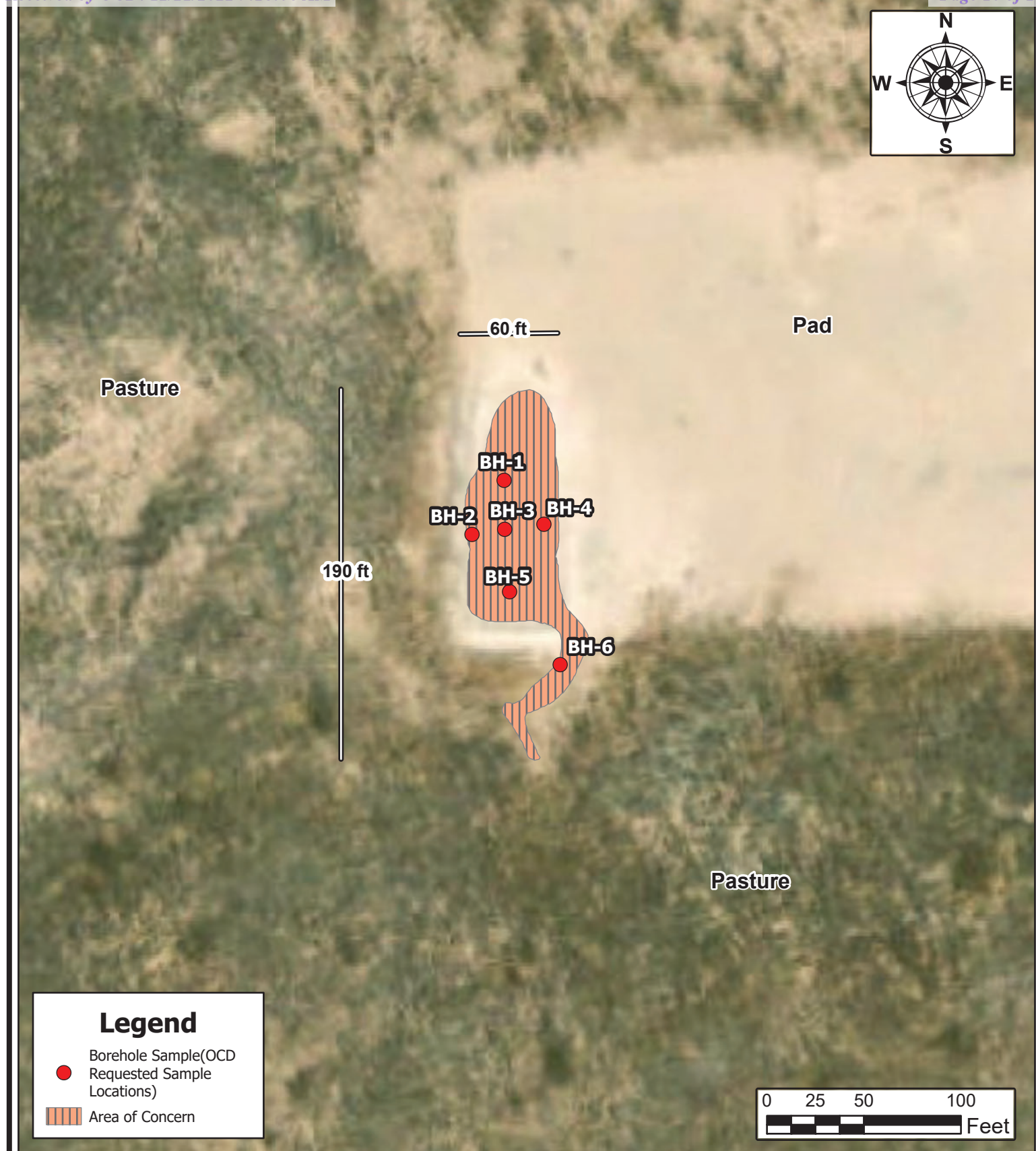
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
 MALLON 33 FEDERAL #4
 LEA COUNTY, NEW MEXICO
 32.61858, -103.55856

SCALE: As Shown

Date: 12/8/2022



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

NOTES:

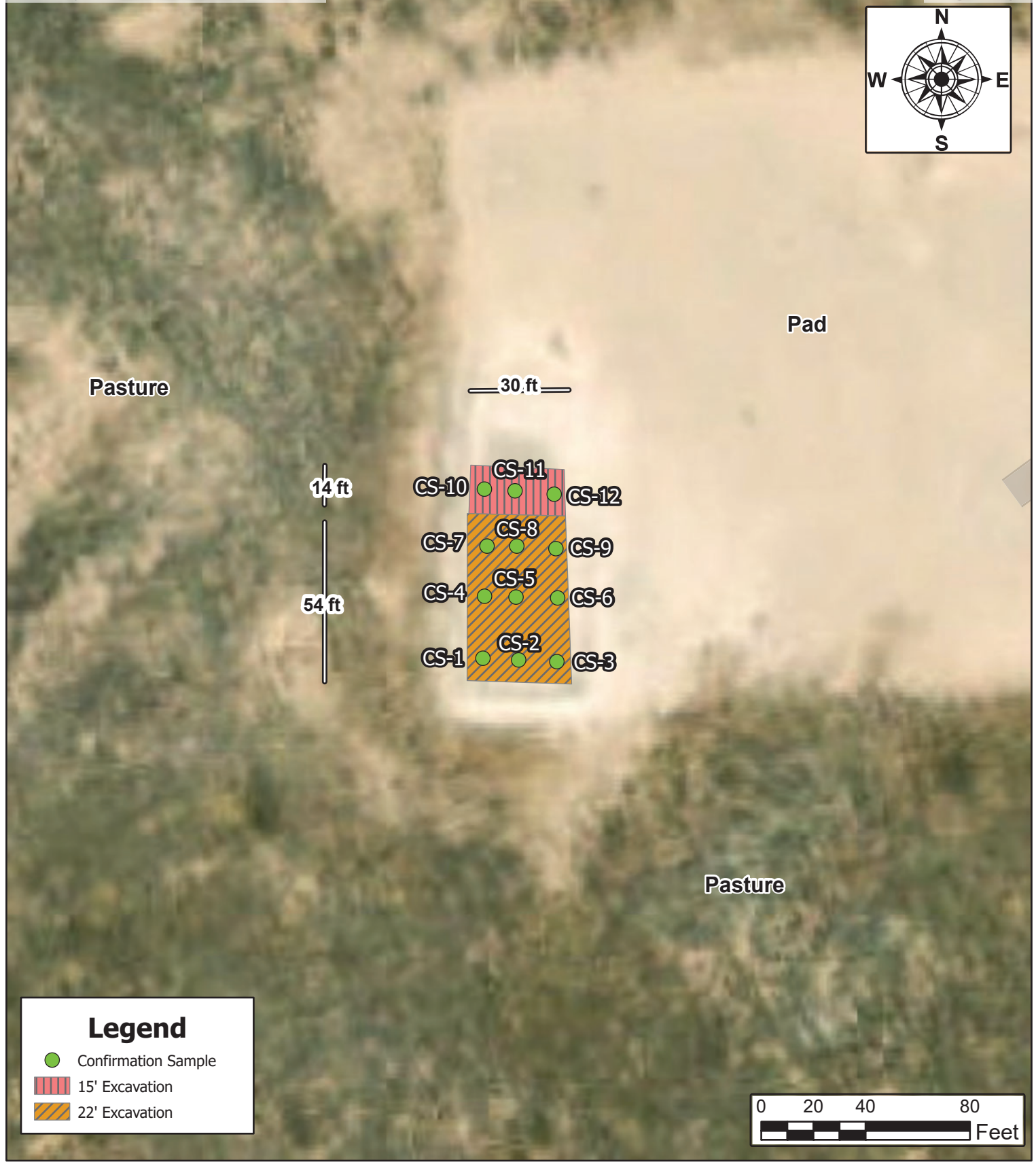
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1



Legend

- Confirmation Sample
- 15' Excavation
- 22' Excavation



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
MALLON 33 FEDERAL #4
LEA COUNTY, NEW MEXICO
32.61858, -103.55856

SCALE: As Shown

Date: 12/9/2022



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

NOTES:

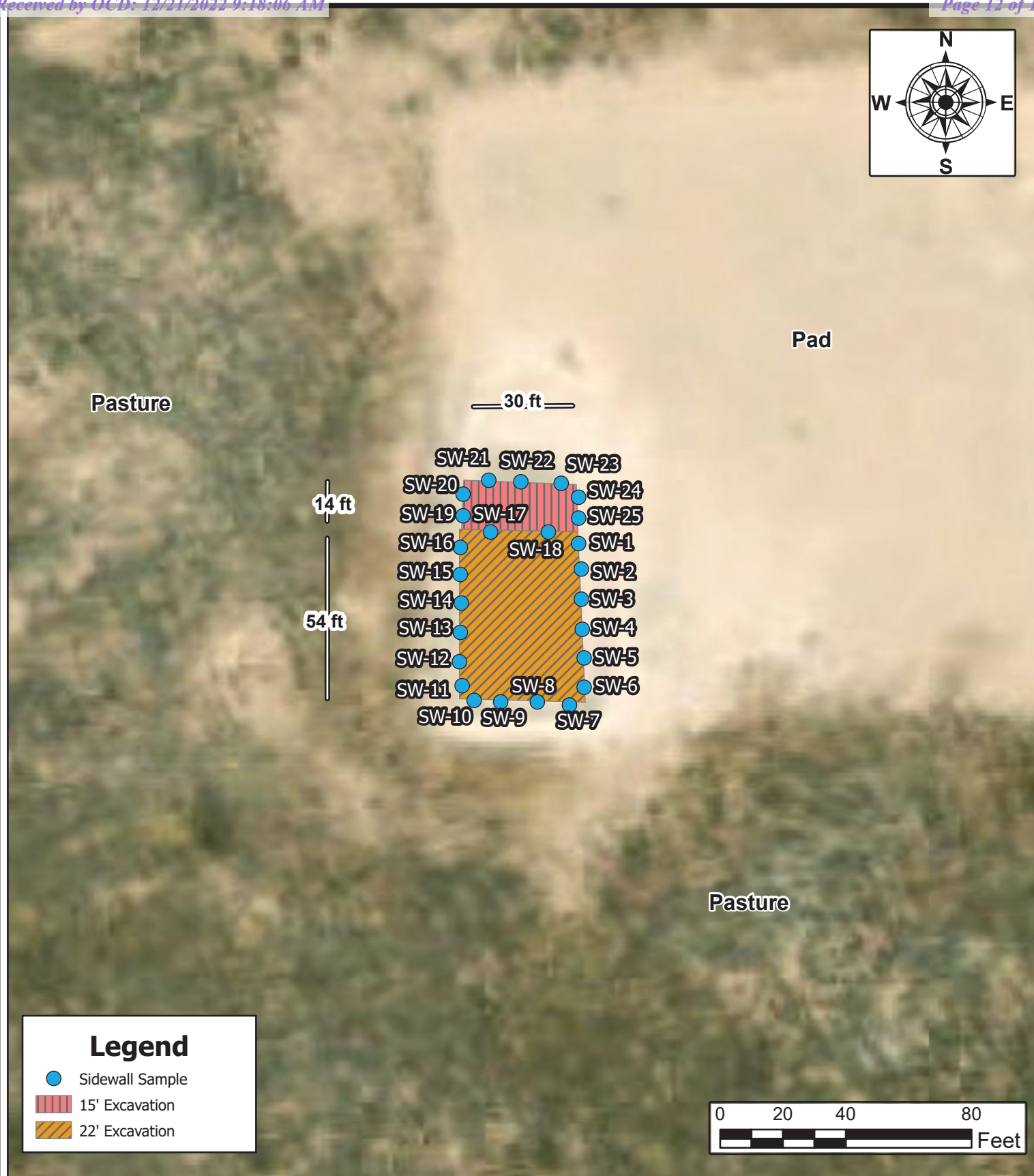
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 5A

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
 MALLON 33 FEDERAL #4
 LEA COUNTY, NEW MEXICO
 32.61858, -103.55856

SCALE: As Shown

Date: 12/9/2022



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

NOTES:

1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 5B

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



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

Sample ID	Date	Depth (ft)	TPH (mg/kg)	Chloride (mg/kg)
SP-1	4/8/2015	Surface	565.3	1,399
	"	1	125.4	399
	"	2	92.4	374
	"	3	233.6	324
	"	4	540.3	499
	"	5	1,938	374
	"	6	655.4	374
	"	7	784.4	624
	"	8	578.3	399
	"	9	484.6	399
	"	10	672.3	499
	"	11	684.1	274
	"	12	1,284	449
	"	13	1,011	474
	"	14	899.2	624
	"	15	652.3	249
	"	16	486.1	424
SP-2	4/8/2015	Surface	1,864	1,899
	"	1	589.3	249
	"	2	483.2	374
	"	3	649.2	274
	"	4	782.1	374
	"	5	650.1	374
	"	6	1,232	499
	"	7	233.4	499
	"	8	101.2	274
	"	9	486.1	249
	"	10	392.2	324
	"	11	789.4	324
	"	12	649.8	274
	"	13	732.7	474
	"	14	484.3	349
	"	15	280.1	274
	"	16	562.3	274
Regulatory Criteria ^A				600 mg/kg

(-) 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

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)	Chloride (mg/kg)
SP-3	4/8/2015	Surface	3,068	2,124
	"	1	742.3	524
	"	2	763.4	274
	"	3	989.1	374
	"	4	485.6	324
	"	5	384.3	274
	"	6	741.2	449
	"	7	1,223	249
	"	8	Auger Refusal	
SP-4	4/8/2015	Surface	1,234	1,099
	"	1	283.4	499
	"	2	52.6	249
	"	3	12.4	299
BH-1	"	4	4,10	349
	10/4/2022	20	13,433	499
	"	25	294.3	374
	"	30	164.3	499
	"	35	321.6	499
	"	40	443.4	274
	"	45	230.4	274
	"	50	140.2	499
	"	60	449.3	499
	"	65	627.4	499
	"	70	215.8	274
	"	80	313.8	499
Regulatory Criteria ^A			100 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SP) Sample Point

(BH) Bore Hole

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
BH-1	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'	<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
BH-2	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
	"	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
BH-3	"	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
	"	5-10'	854	51.6	120	1,026	<0.050	0.265	0.887	2.48	3.63	32.0
	"	10-15'	569	104	<10.0	673	0.617	14.6	12.4	20.9	48.5	80.0
BH-4	"	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
	"	5-10'	271	<10.0	42.7	314	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	10-15'	1,000	28.7	158	1,187	<0.050	<0.050	0.128	0.749	0.877	64.0
BH-5	"	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	0-5'	13.0	<10.0	<10.0	13.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	5-10'	1,270	81.1	168	1,519	<0.050	0.426	0.866	4.55	5.49	32.0
	"	10-15'	1,780	362	167	2,309	0.757	20.8	18.3	34.4	74.2	96.0
BH-6	"	15-20'	2,490	216	313	3,019	<0.200	3.64	7.91	17.3	28.8	48.0
	"	25'	99.9	<10.0	<10.0	99.9	<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
Regulatory Criteria ^A	"	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
	"	25'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"											

(-) Not Analyzed

Removed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) Bore Hole

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	12/6/2022	22.0	71.1	<50.0	<50.0	71.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	59.7
CS-2	12/6/2022	22.0	69.0	<49.9	<49.9	69.0	<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	60.6	<50.0	<50.0	60.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.2
CS-5	12/6/2022	22.0	68.6	<50.0	<50.0	68.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	60.4
CS-6	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 Criteria ^A			1,000 mg/kg				10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

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

(CS) Confirmation Sample

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
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
Regulatory Criteria^A			1,000 mg/kg				10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex

Photograph No. 1

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View Northeast, area of BH-1.



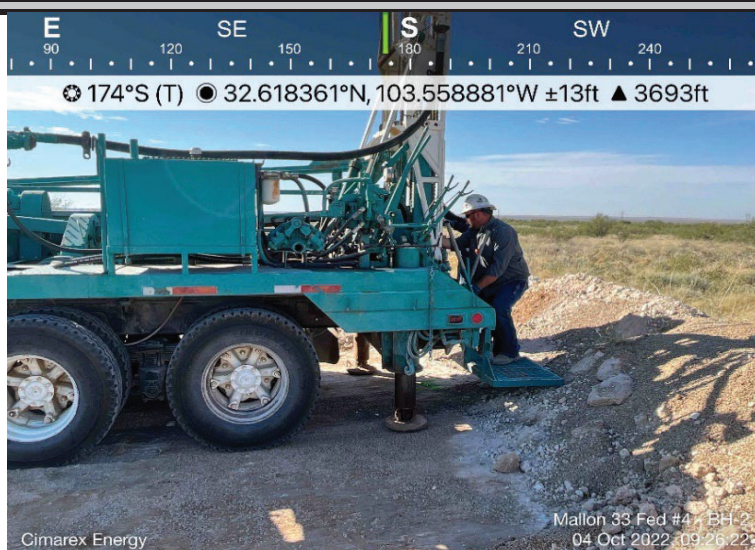
Photograph No. 2

Facility: Mallon 33 Federal #4

County: Lea County, New Mexico

Description:

View South, area of BH-2.



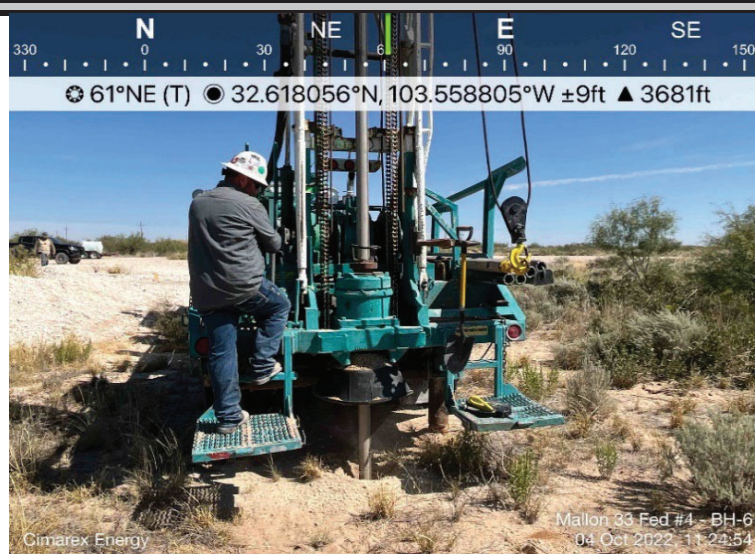
Photograph No. 3

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.



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



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Cimax Energy	Contact Christine Alderman
Address 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-853-7059
Facility Name Mallon 33 Fed 4	Facility Type production

Surface Owner	Mineral Owner	API No. 30-025-34114
---------------	---------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	33	19S	34E	1980	N	560	E	Lea

Latitude 32.61858 Longitude -103.55856

NATURE OF RELEASE

Type of Release oil	Volume of Release 255 bbls	Volume Recovered 25 bbls
Source of Release Steel tank	Date and Hour of Occurrence 4/2/2015 9:00am	Date and Hour of Discovery 4/2/2015 9:00am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Doc Oberding/Sol Hughes	
By Whom? Christine Alderman	Date and Hour 4/2/2015 1:50pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By OCD; Dr. Oberding at 11:49 am, Apr 06, 2015

Describe Cause of Problem and Remedial Action Taken.*

A corrosion hole developed in the bottom of the steel oil tank.

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 developed for clean up.

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

Signature: <i>Christine Alderman</i>	OIL CONSERVATION DIVISION	
Printed Name: Christine Alderman	Hydrologist Approved by Environmental Specialist	<i>[Signature]</i> P.H.O.
Title: ESH Supervisor	Approval Date: 04/06/2015	Expiration Date: 07/06/2015
E-mail Address: calderman@cimaxex.com	Conditions of Approval: Site samples required. Delineate and remediate area as per NMOCD guides.	Attached <input type="checkbox"/> 1RP-3592 162683
Date: 4/6/2015 Phone: 432-853-7059		

* Attach Additional Sheets If Necessary

nTO1509642813

pTO1509643006

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?	<u>>55'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

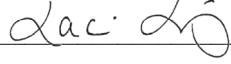
Characterization Report Checklist: *Each of the following items must be included in the report.*

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

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

Incident ID	nTO1509642813
District RP	
Facility ID	
Application ID	

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

Printed Name: Laci Luig Title: EHS Specialist
Signature:  Date: 12/19/2022
email: Laci.Luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 12/21/2022

Incident ID	nTO1509642813
District RP	
Facility ID	
Application ID	

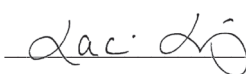
Closure

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 items must be included in the closure report.*

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

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

Printed Name: Laci Luig Title: EHS Specialist
Signature:  Date: 12/19/2022
email: Laci.Luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 12/21/2022

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

Closure Approved by:  Date: 12/21/2022

Printed Name: Brittany Hall Title: Environmental Specialist

Site Diagram

Cimarex, Mallon 33 Fed #4
UL/H, Sec. 33 T19S R34E

Lea County, NM

Drafted By: Lance Crenshaw, 4-6-15

0 0.0035 0.007 0.014 Miles

Legend

Misc_points

Types

Electrical Box

Power Pole

Headers

Injection

Pumpjacks

Tanks

Valves

Other

Soil Bores

sample_pts

Source

Pipeline

Type

Above Ground Line

Buried Line

Spill

<all other values>

Spill_Media

Oil and Produced H2O

Oil

Other

Produced Water

Install 5 boreholes to a depth of 20 feet below ground surface. Collected one (1) 5-point composite sample every 5 feet for a total of 5 samples per borehole. Aliquots for the composite samples will need to be collected in 1 foot increments. Submit composite samples for laboratory analysis of BTEX, TPH, and chlorides.

NMOCD requested borehole locations are indicated by the yellow circles.

Spill Area:
4,628 sq. ft.

Lance Crenshaw
GIS Technician



DFSI

Environmental Services

Office: 575-964-8394
Fax: 575-964-8396
Cell: 575-441-2359
Email: lcrenshaw@diversifiedsi.com

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, Swisstopo, and the GIS User Community

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 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



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

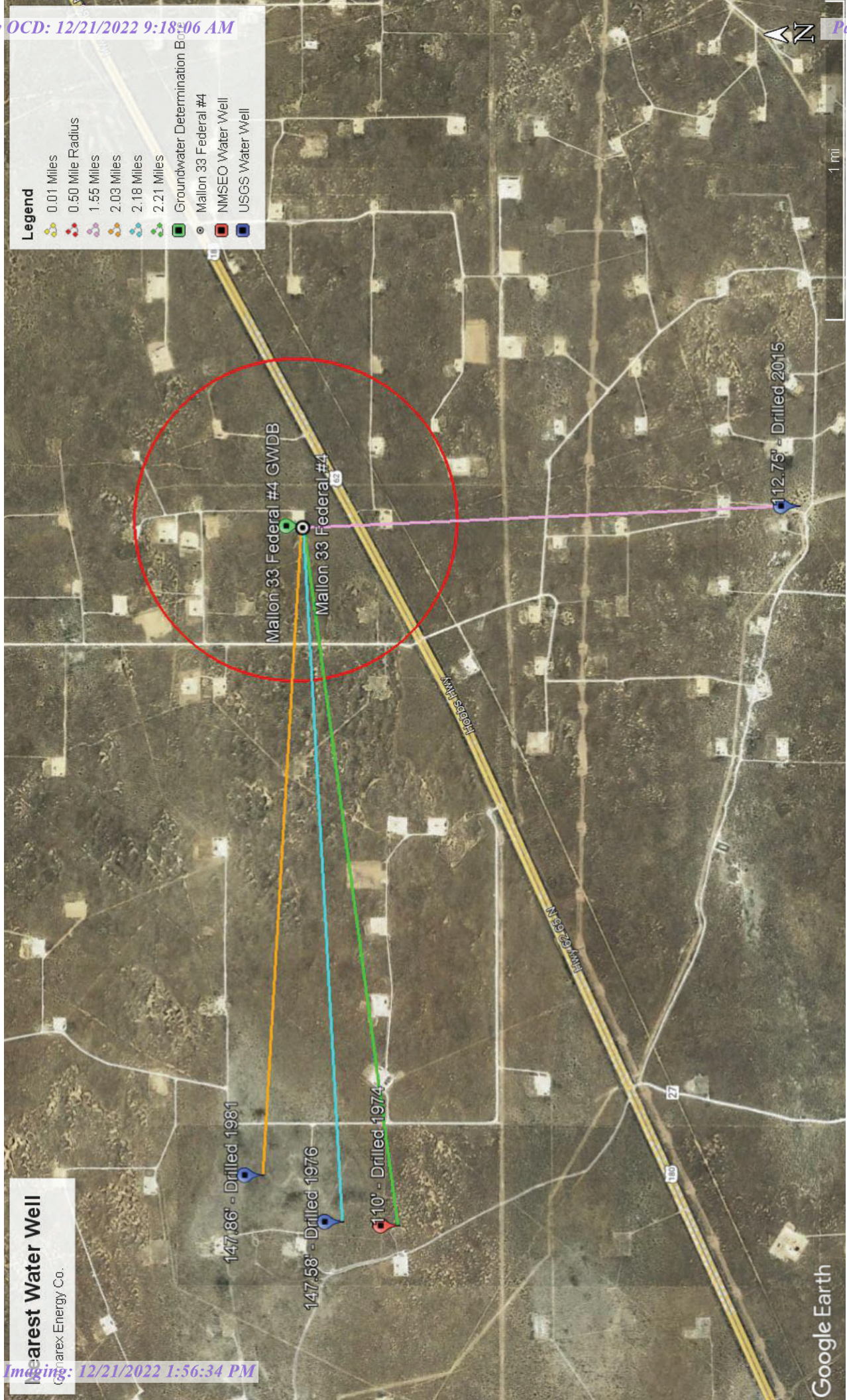
Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

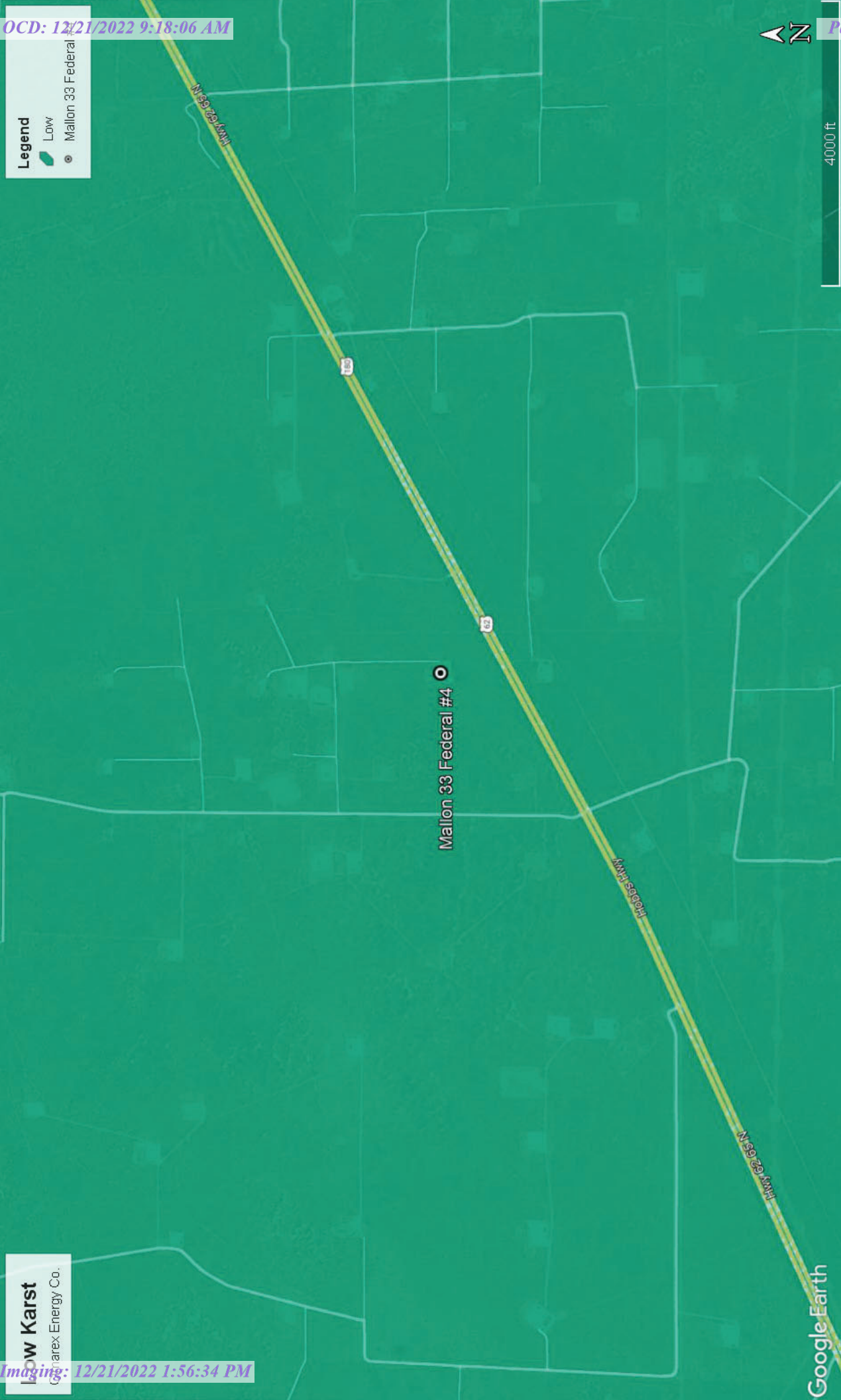
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APPENDIX D

CARMONA RESOURCES







Low Karst
Chenarex Energy Co.

CARMONA RESOURCES



Project Name :	Mallon 33 Federal #4	Date :	Tuesday, October 4, 2022
Project No. :	1140	Sampler :	A. Thielke
Location :	Lea Co, NM	Driller :	H&R Enterprises
Coordinates :	32.618129, -103.558788	Method :	Air Rotary
Elevation :			

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0				50			
		Dry Silty Sand. Light Brown. Poorly Sorted and Poorly Cemented. No rock fragments				Sand w/clay 80% Sand 20% Clay. Light red/brown. Fine grain sand. Low Plasticity. Low cementation. Dry	
5				55			
7							
		Caliche @7'. White/Grey fine/medium grain sand. Well Sorted. Weak Cementation. No odor. Dry		60			
10						TD @ 55'	
13				65			
15							
		Light brown silty sand w/ rock fragments. Well Sorted. Poorly cemented. No odor Dry. 80% Sand 20% rock fragments.		70			
20							
25				75			
		Red/Light brown silty sand. No rock framgents. Poorly cemented. Poorly sorted. 100% Sand		80			
30							
35				85			
40							
45				90			
		Light brown silty sand w/ rock fragments. Well Sorted. Poorly cemented. No odor Dry. 80% Sand 20% rock fragments.		95			
50				105			

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

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00656 POD1	CP	LE		4	4	4	04	20S	34E	635342	3607391*	2503	225		
CP 01672 POD1	CP	LE		1	3	1	36	19S	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

Northing (Y): 3609891.15

Radius: 4000

*UTM location was derived from PLSS - see Help

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

10/6/22 2:55 PM


Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y		
L	07213	4	1	4	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 Rev 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							
		110		160							

*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.



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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

i 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

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
1976-12-15		D	62610		3480.87	NGVD29	P	Z		
1976-12-15		D	62611		3482.42	NAVD88	P	Z		
1976-12-15		D	72019	147.58			P	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	P	Pumping
Method of measurement	Z	Other.

Section	Code	Description
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[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 16:59:35 EDT

0.29 0.25 nadww02



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Data Category:
Groundwater

Geographic Area:
New Mexico

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 323712103353701

Minimum number of levels = 1

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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 measu
1976-12-15		D	62610		3490.86	NGVD29	P	Z		
1976-12-15		D	62611		3492.42	NAVD88	P	Z		
1976-12-15		D	72019	147.58			P	Z		
1981-01-28		D	62610		3490.58	NGVD29	P	Z		
1981-01-28		D	62611		3492.14	NAVD88	P	Z		
1981-01-28		D	72019	147.86			P	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

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

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Title: Groundwater for New Mexico: Water Levels
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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum

Groundwater ▼ New Mexico ▼ GO

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Groundwater levels for New Mexico

Click to hide state-specific text

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

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

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	P	Z		
1965-11-17			D 62611		3445.46	NAVD88	P	Z		
1965-11-17			D 72019	186.54			P	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	P	Z		
1971-02-03			D 62611		3459.81	NAVD88	P	Z		
1971-02-03			D 72019	172.19			P	Z		
1972-10-02			D 62610		3456.35	NGVD29	P	Z		
1972-10-02			D 62611		3457.91	NAVD88	P	Z		
1972-10-02			D 72019	174.09			P	Z		
1976-01-28			D 62610		3500.54	NGVD29	1	Z		
1976-01-28			D 62611		3502.10	NAVD88	1	Z		

Date	Time	?	Water-level date-time accuracy	?	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum		
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 UTC	m	62610		3517.69	NGVD29	1	S	USGS	
2015-12-17	15:45 UTC	m	62611		3519.25	NAVD88	1	S	USGS	
2015-12-17	15:45 UTC	m	72019	112.75			1	S	USGS	

Explanation

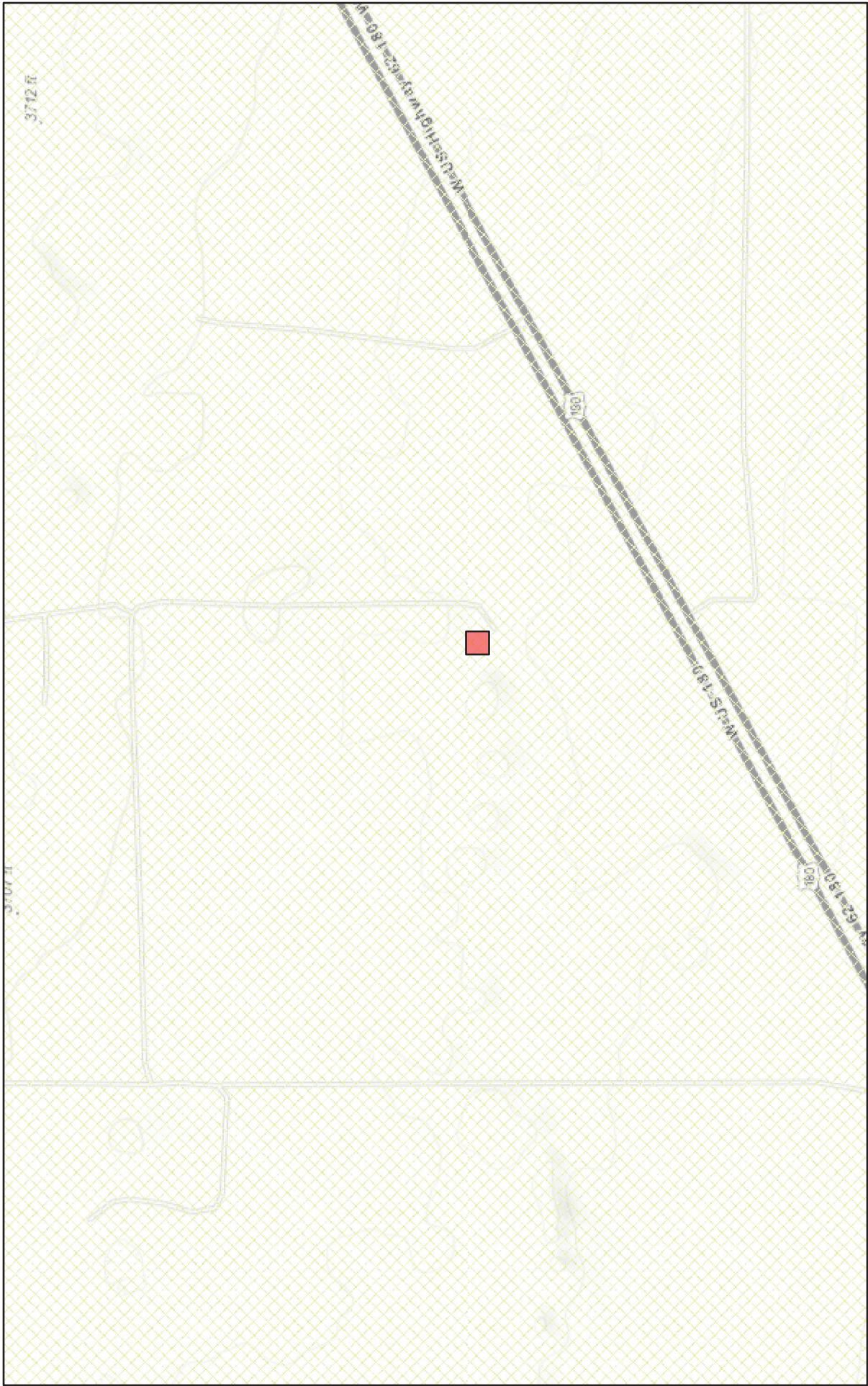
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to 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	P	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	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2022-10-06 17:04:42 EDT

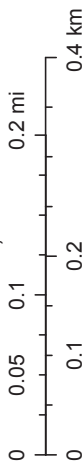
0.28 0.23 nadww01

New Mexico NFHL Data



October 6, 2022

1:9,028



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp, GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, nmfsd.org is made possible through a collaboration with NMDHSEM, This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





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

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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)

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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
 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)

BTX 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	QM-07, QR-03
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 BTX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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		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 78.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.1 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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		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 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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		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 % 69.9-140

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		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 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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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 15-20' (H224619-04)

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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		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 86.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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							
			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 84.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.7 % 46.3-178

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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)

BTX 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*	0.099	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 BTX	2.19	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 69.9-140

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		Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 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		Analyzed 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 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 137 % 45.3-161

Surrogate: 1-Chlorooctadecane 244 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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 15-20' (H224619-08)

BTX 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*	0.297	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 BTX	3.87	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.9-140

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		Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 171 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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)

BTX 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*	0.073	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 BTX	1.22	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

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		Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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 5-10' (H224619-12)

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*	0.265	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 % 69.9-140

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		Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 161 % 46.3-178

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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 % 69.9-140

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*	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 145 % 46.3-178

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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 15-20' (H224619-14)

BTX 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 BTX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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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 - 4 0-5' (H224619-17)

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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							
			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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

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*	0.128	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 % 69.9-140

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		Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 166 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 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)

BTX 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 BTX	<0.300	0.300	10/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

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)

BTX 8021B		mg/kg	Analyzed 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 BTX	5.49	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed 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	Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 177 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 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		Analyzed 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 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed 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 % 45.3-161

Surrogate: 1-Chlorooctadecane 212 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTEX 8021B		mg/kg		Analyzed 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 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed By: MS					
				S-06					

Surrogate: 1-Chlorooctane 138 % 45.3-161

Surrogate: 1-Chlorooctadecane 250 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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	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 BTX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 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		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	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 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 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)

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	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 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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
 Project Location: CIMAREX

Sampling Date: 10/04/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

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

BTX 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	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 BTX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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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		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	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 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed 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		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	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 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: H&R Enterprises		BILL TO		ANALYSIS REQUEST	
Project Manager: M. Collier		P.O. #:			
Address:		Company: Cimarex			
City:		Attn: Laci Luig			
State:		Address:			
Phone #:		City:			
Fax #:		State:			
Project #:		Zip:			
Project Name: Mallon 33 Fed #4 (Mallon)		Phone #:			
Project Location:		Fax #:			
Sampler Name: R. Bell					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	BTEx	TPH	Chlorides
103419	BH-1 0-5'	C	1	X	X		10/4/22		X	X	X
2	BH-1 5-10'										
3	BH-1 10-15'										
4	BH-1 15-20'										
5	BH-2 0-5'										
6	BH-2 5-10'										
7	BH-2 10-15'										
8	BH-2 15-20'										
9	BH-2 25' hold										
10	BH-2 30' hold										

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Relinquished By: R. Bell	Date: 10/4/22	Received By: Sheliquary	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By:	Date: 10/4/22	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C: 15.32	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 14.10	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: 24HR 48HR 96HR
			Thermometer ID #113 Rush
			Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Observed Temp. °C
			Corrected Temp. °C

FOR CARDINAL LABS ONLY

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

P3 1044



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: H&R Enterprises		BILL TO		ANALYSIS REQUEST	
Project Manager: M. Collier		P.O. #:			
Address:		Company: Cimarex			
City:		Attn: Laci Luig			
State:		Address:			
Zip:		City:			
Phone #:		State:			
Fax #:		Zip:			
Project #:		Project Owner:			
Project Name: Mallon 33 Fed # 4 (Mallon)		City:			
Project Location:		State:			
Phone #:		Zip:			
Fax #:		Phone #:			
Sampler Name: R. Bell		Fax #:			

FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL
11	BH-3 0-5'	C 1		X			
12	BH-3 5-10'						
13	BH-3 10-15'						
14	BH-3 15-20'						
15	BH-3 25' hold						
16	BH-3 30' hold						
17	BH-4 0-5'						
18	BH-4 5-10'						
19	BH-4 10-15'						
20	BH-4 15-20'						

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Relinquished By: R. Bell		Received By: Shedaignery		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: R. Bell		Received By: Shedaignery		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 15.2		Sample Condition: <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	
Corrected Temp. °C: 14.6		CHECKED BY: (initials)		Turnaround Time: 24hr	
				Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
				Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact	
				Observed Temp. °C: 48.1	
				Corrected Temp. °C: 52	



pg 3 of 4



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/6/2022 3:39:39 PM

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

Generated
12/6/2022 3:39:39 PM

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

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

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

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Definitions/Glossary

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

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

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-22272-1
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')

Case Narrative

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

Job ID: 880-22272-1
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 Sample Results

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

Job ID: 880-22272-1
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

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 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
1,4-Difluorobenzene (Surr)	106		70 - 130	12/05/22 14:23	12/05/22 20:14	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 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	71.1		50.0		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 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
Oil 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

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 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
1,4-Difluorobenzene (Surr)	112		70 - 130	12/05/22 14:23	12/05/22 20:34	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			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	69.0		49.9		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/05/22 22:38	1
Diesel Range Organics (Over C10-C28)	69.0		49.9		mg/Kg		12/05/22 15:03	12/05/22 22:38	1
Oil 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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.5		4.96		mg/Kg			12/05/22 23:06	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 09:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 13:13	12/06/22 09:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 13:13	12/06/22 09:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				12/05/22 13:13	12/06/22 09:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/05/22 13:13	12/06/22 09:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 10:52	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 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/05/22 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/05/22 23:00	1

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: CS-3 (22')

Date Collected: 12/05/22 00:00

Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		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	D	Prepared	Analyzed	Dil Fac
Chloride	64.9		5.02		mg/Kg			12/05/22 23:12	1

Client Sample ID: CS-4 (22')

Date Collected: 12/05/22 00:00

Date Received: 12/05/22 00:00

Lab Sample ID: 880-22272-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 21:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 21:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 21:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/05/22 21:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/05/22 21:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/05/22 21:15	1
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
1,4-Difluorobenzene (Surr)	108		70 - 130				12/05/22 14:23	12/05/22 21:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	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	60.6		50.0		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 23:22	1
Diesel Range Organics (Over C10-C28)	60.6		50.0		mg/Kg		12/05/22 15:03	12/05/22 23:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				12/05/22 15:03	12/05/22 23:22	1
o-Terphenyl	139	S1+	70 - 130				12/05/22 15:03	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	63.2		5.03		mg/Kg			12/05/22 23:19	1

Eurofins Midland

Client Sample Results

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/22 14:23	12/05/22 21:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/05/22 21:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/22 14:23	12/05/22 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/05/22 14:23	12/05/22 21:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/05/22 14:23	12/05/22 21:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			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	68.6		50.0		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 23:44	1
Diesel Range Organics (Over C10-C28)	68.6		50.0		mg/Kg		12/05/22 15:03	12/05/22 23:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/05/22 15:03	12/05/22 23:44	1
o-Terphenyl	126		70 - 130	12/05/22 15:03	12/05/22 23:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.4		4.98		mg/Kg			12/05/22 23:26	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 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

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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

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 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	77.8		50.0		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 00:05	1
Diesel Range Organics (Over C10-C28)	77.8		50.0		mg/Kg		12/05/22 15:03	12/06/22 00:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				12/05/22 15:03	12/06/22 00:05	1
o-Terphenyl	128		70 - 130				12/05/22 15:03	12/06/22 00:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.8		5.02		mg/Kg			12/05/22 23:46	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			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	<49.8	U	49.8		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/05/22 15:03	12/06/22 00:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/22 15:03	12/06/22 00:27	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		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 - Anions, Ion Chromatography - 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

Client Sample ID: CS-8 (22')

Lab Sample ID: 880-22272-8

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 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 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 00:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 00:48	1
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 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		4.97		mg/Kg			12/05/22 23:59	1

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Client Sample Results

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

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

Client Sample ID: CS-9 (22')

Lab Sample ID: 880-22272-9

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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
1,4-Difluorobenzene (Surr)	106		70 - 130	12/05/22 14:23	12/05/22 22:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 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		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 01:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 01:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	12/05/22 15:03	12/06/22 01:10	1
o-Terphenyl	129		70 - 130	12/05/22 15:03	12/06/22 01:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5		5.01		mg/Kg			12/06/22 00:05	1

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: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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

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Client Sample Results

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

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

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 BTEX Calculation

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 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 01:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 01:32	1
Oil 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		4.99		mg/Kg			12/06/22 00:12	1

Client Sample ID: CS-11 (15')

Lab Sample ID: 880-22272-11

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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
1,4-Difluorobenzene (Surr)	112		70 - 130				12/05/22 14:23	12/06/22 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0164		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		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 02:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 02:14	1

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Client Sample Results

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

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

Client Sample ID: CS-11 (15')

Lab Sample ID: 880-22272-11

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.4		5.04		mg/Kg			12/06/22 00:19	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/06/22 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		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 02:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 02:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/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 - Anions, Ion Chromatography - 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

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Client Sample Results

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

Job ID: 880-22272-1
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/06/22 01:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:23	12/06/22 01:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:23	12/06/22 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	12/05/22 14:23	12/06/22 01:48	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/05/22 14:23	12/06/22 01:48	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 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 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 02:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 02:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	12/05/22 15:03	12/06/22 02:57	1
o-Terphenyl	125		70 - 130	12/05/22 15:03	12/06/22 02:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		5.04		mg/Kg			12/06/22 00:46	1

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: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 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

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Client Sample Results

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

Job ID: 880-22272-1
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 BTEX Calculation

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 - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/05/22 15:03	12/06/22 03:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/22 15:03	12/06/22 03:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/22 15:03	12/06/22 03:19	1
Surrogate	%Recovery	Qualifier	Limits				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	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		5.00		mg/Kg			12/06/22 01:06	1

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 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/06/22 02:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:23	12/06/22 02:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:23	12/06/22 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				12/05/22 14:23	12/06/22 02:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/05/22 14:23	12/06/22 02:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			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		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 03:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/06/22 03:40	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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 - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 02:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/22 14:23	12/06/22 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 14:23	12/06/22 02:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/22 14:23	12/06/22 02:49	1
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
1,4-Difluorobenzene (Surr)	111		70 - 130				12/05/22 14:23	12/06/22 02:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		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		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 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
Oil 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
o-Terphenyl	144	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

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 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
1,4-Difluorobenzene (Surr)	103		70 - 130	12/05/22 14:23	12/06/22 03:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/06/22 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 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 04:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:03	12/06/22 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	12/05/22 15:03	12/06/22 04:23	1
o-Terphenyl	131	S1+	70 - 130	12/05/22 15:03	12/06/22 04:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		4.97		mg/Kg			12/06/22 01:26	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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

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Client Sample Results

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

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 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		mg/Kg			12/06/22 09:41	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 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		mg/Kg			12/06/22 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 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

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Client Sample Results

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 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

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		4.99		mg/Kg			12/06/22 01:39	1

Client Sample ID: SW-8 (22')

Lab Sample ID: 880-22272-20

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 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 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 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 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 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
Oil 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

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		4.96		mg/Kg			12/06/22 01:46	1

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Client Sample Results

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

Job ID: 880-22272-1
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

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

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 BTEX Calculation

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	<50.0	U	50.0		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	12/05/22 15:06	12/05/22 21:32	1
o-Terphenyl	162	S1+	70 - 130	12/05/22 15:06	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	16.5		5.00		mg/Kg			12/06/22 02:39	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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

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Client Sample Results

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

Job ID: 880-22272-1
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 BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/05/22 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/05/22 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/05/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				12/05/22 15:06	12/05/22 22:38	1
o-Terphenyl	169	S1+	70 - 130				12/05/22 15:06	12/05/22 22:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/05/22 14:10	12/06/22 08:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/22 14:10	12/06/22 08:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/05/22 14:10	12/06/22 08:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				12/05/22 14:10	12/06/22 08:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/05/22 14:10	12/06/22 08:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/06/22 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/05/22 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/05/22 23:00	1

Eurofins Midland

Client Sample Results

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 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

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.1		4.98		mg/Kg			12/06/22 03:05	1

Client Sample ID: SW-12 (22')

Lab Sample ID: 880-22272-24

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/06/22 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		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 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
Oil 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

Eurofins Midland

Client Sample Results

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 09:10	1
o-Xylene	0.00214		0.00199		mg/Kg		12/05/22 14:10	12/06/22 09:10	1
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
1,4-Difluorobenzene (Surr)	101		70 - 130	12/05/22 14:10	12/06/22 09:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 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		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 23:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 23:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	12/05/22 15:06	12/05/22 23:44	1
o-Terphenyl	136	S1+	70 - 130	12/05/22 15:06	12/05/22 23:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		4.97		mg/Kg			12/06/22 03:19	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 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

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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

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 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		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 00:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				12/05/22 15:06	12/06/22 00:05	1
o-Terphenyl	162	S1+	70 - 130				12/05/22 15:06	12/06/22 00:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		4.96		mg/Kg			12/06/22 03:39	1

Client Sample ID: SW-15 (22')

Lab Sample ID: 880-22272-27

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			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	<49.8	U	49.8		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/05/22 15:06	12/06/22 00:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/05/22 15:06	12/06/22 00:27	1

Eurofins Midland

Client Sample Results

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

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

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		4.96		mg/Kg			12/06/22 03:45	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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 BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 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
Oil 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

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: SW-17 (7')

Lab Sample ID: 880-22272-29

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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 - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		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		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 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
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 01:10	1

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 - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		5.00		mg/Kg			12/06/22 03:59	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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

Client Sample Results

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

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

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 01:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 01:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 01:32	1
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
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/Kg			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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 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
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: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 02:14	1

Eurofins Midland

Client Sample Results

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

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.1		4.98		mg/Kg			12/06/22 04:12	1

Client Sample ID: SW-20 (15')

Lab Sample ID: 880-22272-32

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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 BTEX Calculation

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

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

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.95		mg/Kg			12/06/22 04:32	1

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: SW-21 (15')

Lab Sample ID: 880-22272-33

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/22 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 BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/06/22 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 02:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 02:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130	12/05/22 15:06	12/06/22 02:57	1
o-Terphenyl	187	S1+	70 - 130	12/05/22 15:06	12/06/22 02:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		5.05		mg/Kg			12/06/22 04:39	1

Client Sample ID: SW-22 (15')

Lab Sample ID: 880-22272-34

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 07:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:10	12/06/22 07:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:10	12/06/22 07:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/05/22 14:10	12/06/22 07:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/05/22 14:10	12/06/22 07:07	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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

Date Received: 12/05/22 00:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:19	1
Oil 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

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.2		4.97		mg/Kg			12/06/22 04:59	1

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 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 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)	117		70 - 130				12/05/22 14:10	12/06/22 07:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00428		0.00398		mg/Kg			12/06/22 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 03:40	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-22272-1
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 - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 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	178	S1+	70 - 130				12/05/22 15:06	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	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/22 14:40	12/06/22 07:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/22 14:40	12/06/22 07:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/22 14:40	12/06/22 07:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				12/05/22 14:40	12/06/22 07:48	1
1,4-Difluorobenzene (Surr)	85		70 - 130				12/05/22 14:40	12/06/22 07:48	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 10:52	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: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 04:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 04:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/22 15:06	12/06/22 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				12/05/22 15:06	12/06/22 04:02	1
o-Terphenyl	177	S1+	70 - 130				12/05/22 15:06	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	14.8		5.00		mg/Kg			12/06/22 05:12	1

Eurofins Midland

Client Sample Results

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

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

Client Sample ID: SW-25 (15')

Lab Sample ID: 880-22272-37

Date Collected: 12/05/22 00:00

Matrix: Solid

Date Received: 12/05/22 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/22 14:40	12/06/22 08:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/22 14:40	12/06/22 08:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/22 14:40	12/06/22 08:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/05/22 14:40	12/06/22 08:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/05/22 14:40	12/06/22 08:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/06/22 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/22 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 04:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 04:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/06/22 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	12/05/22 15:06	12/06/22 04:23	1
o-Terphenyl	171	S1+	70 - 130	12/05/22 15:06	12/06/22 04:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		4.99		mg/Kg			12/06/22 05:19	1

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Surrogate Summary

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

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

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

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Surrogate Summary

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)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (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-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22272-1	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+
880-22272-4	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+
880-22272-13	SW-1 (22')	127	125
880-22272-14	SW-2 (22')	122	123
880-22272-15	SW-3 (22')	123	124
880-22272-16	SW-4 (22')	145 S1+	144 S1+
880-22272-17	SW-5 (22')	127	131 S1+
880-22272-18	SW-6 (22')	159 S1+	157 S1+
880-22272-19	SW-7 (22')	144 S1+	139 S1+
880-22272-20	SW-8 (22')	135 S1+	134 S1+
880-22272-21	SW-9 (22')	137 S1+	162 S1+
880-22272-21 MS	SW-9 (22')	123	131 S1+
880-22272-21 MSD	SW-9 (22')	123	134 S1+
880-22272-22	SW-10 (22')	144 S1+	169 S1+
880-22272-23	SW-11 (22')	130	156 S1+
880-22272-24	SW-12 (22')	124	154 S1+
880-22272-25	SW-13 (22')	111	136 S1+
880-22272-26	SW-14 (22')	134 S1+	162 S1+
880-22272-27	SW-15 (22')	139 S1+	169 S1+
880-22272-28	SW-16 (22')	141 S1+	171 S1+
880-22272-29	SW-17 (7')	163 S1+	200 S1+
880-22272-30	SW-18 (7')	139 S1+	169 S1+
880-22272-31	SW-19 (15')	138 S1+	169 S1+
880-22272-32	SW-20 (15')	146 S1+	181 S1+

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Surrogate Summary

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

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22272-33	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+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 880-22272-1
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

Analyte	MB Result	MB 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	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:18	12/05/22 15:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 10:18	12/05/22 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		05 - 135	12/52/22 15, 1i	12/5 /22 1 : ,2D	1
164-Chlorobenzene (Surr)	77		05 - 135	12/52/22 15, 1i	12/5 /22 1 : ,2D	1

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

Matrix: Solid

Analysis Batch: 41033

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40902

Analyte	MB Result	MB 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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09743		mg/Kg		97	70 - 130
Toluene	0.100	0.09740		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2132		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1065		mg/Kg		107	70 - 130

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	4	35

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QC Sample Results

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: LCSD 880-40902/2-A

Matrix: Solid

Analysis Batch: 41033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40902

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	135		05 - 135
1,4-Dichlorobenzene (Surr)	73		05 - 135

Lab Sample ID: 880-22210-A-28-A MS

Matrix: Solid

Analysis Batch: 41033

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 40902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.0996	0.04506	F1	mg/Kg		45	70 - 130
Toluene	<0.00201	U F2 F1	0.0996	0.05574	F1	mg/Kg		56	70 - 130
Ethylbenzene	<0.00201	U F1	0.0996	0.06903	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1362	F1	mg/Kg		68	70 - 130
o-Xylene	<0.00201	U F1	0.0996	0.06790	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		05 - 135
1,4-Dichlorobenzene (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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.100	0.09287	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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	154		05 - 135
1,4-Dichlorobenzene (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

Analyte	MB Result	MB 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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QC Sample Results

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/22 13:38	12/06/22 07:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/22 13:38	12/06/22 07:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	07	S1-	05 - 135	12/5/22 13:3i	12/5D/22 50,17	1
1,4-Difluorobenzene (Surr)	15i		05 - 135	12/5/22 13:3i	12/5D/22 50,17	1

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

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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
m-Xylene & p-Xylene	0.200	0.1640		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08233		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	i		05 - 135
1,4-Difluorobenzene (Surr)	152		05 - 135

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

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41044

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	07		05 - 135
1,4-Difluorobenzene (Surr)	7i		05 - 135

Lab Sample ID: 880-22272-21 MS

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: SW-9 (22')

Prep Type: Total/NA

Prep Batch: 41044

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.101	0.04902	F1	mg/Kg		49	70 - 130
Toluene	<0.00200	U F2 F1	0.101	0.05414	F1	mg/Kg		54	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.101	0.07343		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.202	0.1111	F1	mg/Kg		55	70 - 130
o-Xylene	<0.00200	U F2 F1	0.101	0.06094	F1	mg/Kg		60	70 - 130

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QC Sample Results

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: 880-22272-21 MS

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: SW-9 (22')

Prep Type: Total/NA

Prep Batch: 41044

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	7i		05 - 135
16i-Chlorobenzene (Surr)	15:		05 - 135

Lab Sample ID: 880-22272-21 MSD

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: SW-9 (22')

Prep Type: Total/NA

Prep Batch: 41044

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0996	0.01917	F2 F1	mg/Kg		19	70 - 130	181	35
Toluene	<0.00200	U F2 F1	0.0996	0.02331	F2 F1	mg/Kg		23	70 - 130	80	35
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.02272	F2 F1	mg/Kg		23	70 - 130	105	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	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		20	70 - 130	98	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	D1	S1-	05 - 135
16i-Chlorobenzene (Surr)	155		05 - 135

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

Analyte	MB Result	MB 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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	D7	S1-	05 - 135	12/5/ /22 14,23	12/5/ /22 17,4:	1
16i-Chlorobenzene (Surr)	15:		05 - 135	12/5/ /22 14,23	12/5/ /22 17,4:	1

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

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

Eurofins Midland

QC Sample Results

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: 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-Clfluorobenzene (Surr)	157		05 - 135

Lab Sample ID: LCSD 880-41070/2-A

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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)	112		05 - 135
164-Clfluorobenzene (Surr)	112		05 - 135

Lab Sample ID: 880-22272-1 MS

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: CS-1 (22')

Prep Type: Total/NA

Prep Batch: 41070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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)	117		05 - 135
164-Clfluorobenzene (Surr)	15:		05 - 135

Lab Sample ID: 880-22272-1 MSD

Matrix: Solid

Analysis Batch: 41043

Client Sample ID: CS-1 (22')

Prep Type: Total/NA

Prep Batch: 41070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.08978		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)	111		05 - 135
164-Clfluorobenzene (Surr)	15:		05 - 135

Eurofins Midland

QC Sample Results

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

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

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

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

Matrix: Solid

Analysis Batch: 40985

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41083

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:03	12/05/22 20:25	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-c t l o r o o a p n e	120		05 - 135				12/5 /22 1: ,53	12/5 /22 25,2:	1
o-y e r 8 t e n + l	120		05 - 135				12/5 /22 1: ,53	12/5 /22 25,2:	1

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

Matrix: Solid

Analysis Batch: 40985

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	858.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	873.9		mg/Kg		87	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-c t l o r o o a p n e	121		05 - 135				
o-y e r 8 t e n + l	110		05 - 135				

Lab Sample ID: LCSD 880-41083/3-A

Matrix: Solid

Analysis Batch: 40985

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	822.8		mg/Kg		82	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	847.5		mg/Kg		85	70 - 130	3	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-c t l o r o o a p n e	124		05 - 135						
o-y e r 8 t e n + l	114		05 - 135						

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

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

Eurofins Midland

QC Sample Results

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

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

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

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-c t l o r o o a p n e	113		05 - 135
o-y e r 8 t e n + l	152		05 - 135

Lab Sample ID: 880-22272-1 MSD

Matrix: Solid

Analysis Batch: 40985

Client Sample ID: CS-1 (22')

Prep Type: Total/NA

Prep Batch: 41083

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1036		mg/Kg		104	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	71.1		997	1032		mg/Kg		96	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-c t l o r o o a p n e	123		05 - 135
o-y e r 8 t e n + l	151		05 - 135

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

Matrix: Solid

Analysis Batch: 40987

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41084

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/22 15:06	12/05/22 20:25	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-c t l o r o o a p n e	113		05 - 135	12/5 /22 1: ,5D	12/5 /22 25,2:	1
o-y e r 8 t e n + l	142	S19	05 - 135	12/5 /22 1: ,5D	12/5 /22 25,2:	1

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	880.3		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	951.5		mg/Kg		95	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-c t l o r o o a p n e	175	S19	05 - 135
o-y e r 8 t e n + l	175	S19	05 - 135

Eurofins Midland

QC Sample Results

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	901.1		mg/Kg		90	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	955.6		mg/Kg		96	70 - 130	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-c t l o r o o a p n e	171	S19	05 - 135						
o-y e r 8 t e n + l	171	S19	05 - 135						

Lab Sample ID: 880-22272-21 MS

Matrix: Solid

Analysis Batch: 40987

Client Sample ID: SW-9 (22')

Prep Type: Total/NA

Prep Batch: 41084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1004		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1256		mg/Kg		126	70 - 130		
Surrogate	%Recovery	MS Qualifier	Limits								
1-c t l o r o o a p n e	123		05 - 135								
o-y e r 8 t e n + l	131	S19	05 - 135								

Lab Sample ID: 880-22272-21 MSD

Matrix: Solid

Analysis Batch: 40987

Client Sample ID: SW-9 (22')

Prep Type: Total/NA

Prep Batch: 41084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1001		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1263		mg/Kg		127	70 - 130	1	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-c t l o r o o a p n e	123		05 - 135								
o-y e r 8 t e n + 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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/05/22 22:26	1

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QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-41081/2-A

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-41081/3-A

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-22272-1 MS

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: CS-1 (22')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	59.7		250	324.0		mg/Kg		106	90 - 110

Lab Sample ID: 880-22272-1 MSD

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: CS-1 (22')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	59.7		250	325.0		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-22272-11 MS

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: CS-11 (15')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	35.4		252	301.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-22272-11 MSD

Matrix: Solid

Analysis Batch: 41094

Client Sample ID: CS-11 (15')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	35.4		252	302.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-41082/1-A

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/06/22 02:19	1

Lab Sample ID: LCS 880-41082/2-A

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.3		mg/Kg		104	90 - 110

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QC Sample Results

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-41082/3-A

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	259.9		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-22272-21 MS

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: SW-9 (22')

Prep Type: Soluble

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

Lab Sample ID: 880-22272-21 MSD

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: SW-9 (22')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.5		250	281.6		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-22272-31 MS

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: SW-19 (15')

Prep Type: Soluble

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

Lab Sample ID: 880-22272-31 MSD

Matrix: Solid

Analysis Batch: 41095

Client Sample ID: SW-19 (15')

Prep Type: Soluble

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

QC Association Summary

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

Job ID: 880-22272-1
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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QC Association Summary

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

Job ID: 880-22272-1
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	
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

QC Association Summary

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

Job ID: 880-22272-1
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	

Eurofins Midland

QC Association Summary

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

Job ID: 880-22272-1
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

Eurofins Midland

QC Association Summary

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

Job ID: 880-22272-1
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

QC Association Summary

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

Job ID: 880-22272-1
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 Batch
880-22272-1	CS-1 (22')	Total/NA	Solid	8015 NM	
880-22272-2	CS-2 (22')	Total/NA	Solid	8015 NM	
880-22272-3	CS-3 (22')	Total/NA	Solid	8015 NM	
880-22272-4	CS-4 (22')	Total/NA	Solid	8015 NM	
880-22272-5	CS-5 (22')	Total/NA	Solid	8015 NM	
880-22272-6	CS-6 (22')	Total/NA	Solid	8015 NM	
880-22272-7	CS-7 (22')	Total/NA	Solid	8015 NM	
880-22272-8	CS-8 (22')	Total/NA	Solid	8015 NM	
880-22272-9	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	
880-22272-12	CS-12 (15')	Total/NA	Solid	8015 NM	
880-22272-13	SW-1 (22')	Total/NA	Solid	8015 NM	
880-22272-14	SW-2 (22')	Total/NA	Solid	8015 NM	
880-22272-15	SW-3 (22')	Total/NA	Solid	8015 NM	
880-22272-16	SW-4 (22')	Total/NA	Solid	8015 NM	
880-22272-17	SW-5 (22')	Total/NA	Solid	8015 NM	
880-22272-18	SW-6 (22')	Total/NA	Solid	8015 NM	
880-22272-19	SW-7 (22')	Total/NA	Solid	8015 NM	
880-22272-20	SW-8 (22')	Total/NA	Solid	8015 NM	
880-22272-21	SW-9 (22')	Total/NA	Solid	8015 NM	
880-22272-22	SW-10 (22')	Total/NA	Solid	8015 NM	
880-22272-23	SW-11 (22')	Total/NA	Solid	8015 NM	
880-22272-24	SW-12 (22')	Total/NA	Solid	8015 NM	
880-22272-25	SW-13 (22')	Total/NA	Solid	8015 NM	
880-22272-26	SW-14 (22')	Total/NA	Solid	8015 NM	
880-22272-27	SW-15 (22')	Total/NA	Solid	8015 NM	
880-22272-28	SW-16 (22')	Total/NA	Solid	8015 NM	
880-22272-29	SW-17 (7')	Total/NA	Solid	8015 NM	
880-22272-30	SW-18 (7')	Total/NA	Solid	8015 NM	
880-22272-31	SW-19 (15')	Total/NA	Solid	8015 NM	
880-22272-32	SW-20 (15')	Total/NA	Solid	8015 NM	
880-22272-33	SW-21 (15')	Total/NA	Solid	8015 NM	
880-22272-34	SW-22 (15')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

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

Job ID: 880-22272-1
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	

HPLC/IC

Leach Batch: 41081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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	

Eurofins Midland

QC Association Summary

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

Job ID: 880-22272-1
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

Eurofins Midland

QC Association Summary

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

Job ID: 880-22272-1
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

Lab Chronicle

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

Job ID: 880-22272-1
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

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			4.97 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

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

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	12/05/22 20:34	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	12/05/22 22:38	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	12/05/22 23:06	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Date Collected: 12/05/22 00:00

Matrix: Solid

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			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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Lab Chronicle

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/05/22 21:35	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	12/05/22 23:44	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41081	12/05/22 14:53	KS	EET MID
Soluble	Analysis	300.0		1			41094	12/05/22 23:26	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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

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	12/05/22 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	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 00:27	AJ	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-22272-1
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

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
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

Client Sample ID: CS-8 (22')

Lab Sample ID: 880-22272-8

Date Collected: 12/05/22 00:00

Matrix: Solid

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			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

Client Sample ID: CS-9 (22')

Lab Sample ID: 880-22272-9

Date Collected: 12/05/22 00:00

Matrix: Solid

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			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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Eurofins Midland

Lab Chronicle

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

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

Client Sample ID: CS-11 (15')

Lab Sample ID: 880-22272-11

Date Collected: 12/05/22 00:00

Matrix: Solid

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			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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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

Matrix: Solid

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

Eurofins Midland

Lab Chronicle

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

Job ID: 880-22272-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

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	12/06/22 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	41070	12/05/22 14:23	MNR	EET MID
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 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 04:02	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 01:19	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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	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 04:23	AJ	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-22272-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	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')

Lab Sample ID: 880-22272-20

Date Collected: 12/05/22 00:00

Matrix: Solid

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			4.97 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 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

Eurofins Midland

Lab Chronicle

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

Job ID: 880-22272-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Matrix: Solid

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			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	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	12/05/22 22:38	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 02:59	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	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

Matrix: Solid

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			5.01 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 08:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41154	12/06/22 11:44	SM	EET MID

Eurofins Midland

Lab Chronicle

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

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

Client Sample ID: SW-12 (22')

Lab Sample ID: 880-22272-24

Date Collected: 12/05/22 00:00

Matrix: Solid

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	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

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	41044	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41043	12/06/22 09:10	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			10.00 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 23:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 03:19	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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

Matrix: Solid

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			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	Prep	8015NM Prep			10.04 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 00:27	SM	EET MID

Eurofins Midland

Lab Chronicle

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

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

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
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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Client Sample ID: SW-17 (7')

Lab Sample ID: 880-22272-29

Date Collected: 12/05/22 00:00

Matrix: Solid

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			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

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	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

Eurofins Midland

Lab Chronicle

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	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')

Lab Sample ID: 880-22272-32

Date Collected: 12/05/22 00:00

Matrix: Solid

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			5.01 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 13:02	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			10.03 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 02:36	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 04:32	CH	EET MID

Client Sample ID: SW-21 (15')

Lab Sample ID: 880-22272-33

Date Collected: 12/05/22 00:00

Matrix: Solid

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			4.99 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 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 MID

Client Sample ID: SW-22 (15')

Lab Sample ID: 880-22272-34

Date Collected: 12/05/22 00:00

Matrix: Solid

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			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

Eurofins Midland

Lab Chronicle

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

Job ID: 880-22272-1
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

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	Analysis	8015 NM		1			41126	12/06/22 10:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 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 03:19	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	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

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	40902	12/05/22 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41033	12/06/22 07:28	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 03:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41082	12/05/22 14:54	KS	EET MID
Soluble	Analysis	300.0		1			41095	12/06/22 05:05	CH	EET MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

Matrix: Solid

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			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	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 04:23	SM	EET MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-22272-1
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	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

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Accreditation/Certification Summary

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

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

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

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

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22272-1	CS-1 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-2	CS-2 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-3	CS-3 (22')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-4	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
880-22272-6	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
880-22272-12	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')	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')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-29	SW-17 (7')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-30	SW-18 (7')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-31	SW-19 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-32	SW-20 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-33	SW-21 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-34	SW-22 (15')	Solid	12/05/22 00:00	12/05/22 00:00
880-22272-35	SW-23 (15')	Solid	12/05/22 00:00	12/05/22 00:00
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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State of Custody

Work Order No: 222712

Page 1 of 4

Project Manager	Ashton Thielke	Bill to (if different)	Laci Lung
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address	600 N Mainfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone:	432-813-5347	Email	laci.lung@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Project Name:	Mallion 33 Federal #4	Tum Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number	1140	Due Date	24 Hours													None NO	DI Water H ₂ O				
Project Location	Lea Co. NM															Cool Cool	MeOH Me				
Sampler's Name:	AT															HCL HC	HNO ₃ HN				
PO #																H ₂ SO ₄ H ₂	NaOH Na				
SAMPLE RECEIPT				Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID								H ₃ PO ₄ HP					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor														NaHSO ₄ NABIS					
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading														Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:														Zn Acetate+NaOH Zn					
Total Containers																NaOH+Ascorbic Acid SAPC					
Sample Identification				Date	Time	Soil	Water	Grav/Comp	# of Cont											Sample Comments	
CS-1 (22)	12/5/2022		X			Comp	1	X	X	X							402				
CS-2 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-3 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-4 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-5 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-6 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-7 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-8 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-9 (22)	12/5/2022		X			Comp	1	X	X	X											
CS-10 (15)	12/5/2022		X			Comp	1	X	X	X											

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com



880-22272 Chain of Custody

Refundished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		12/8/22			
		135			

Chain of Custody

Work Order No: 2022-20272

Page 2 of 4

Project Manager	Ashton Thielke	Bill to (if different)	Laci Lugg
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address:	600 N Mainfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-5347	Email	laci.lugg@coteria.com & ashton.thielke@coteria.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV
Deliverables	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Project Name:	Mallion 33 Federal #4	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes										
Project Number:	1140	Due Date	24 Hours													None NO DI Water H ₂ O										
Project Location	Lea Co. NM															Cool Cool MeOH Me										
Sampler's Name:	AT	TAT starts the day received by the lab if received by 4:30pm														HCL HC HNO ₃ HN										
PO #:																H ₂ SO ₄ H ₂ NaOH Na										
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No											H ₃ PO ₄ HP									
Received In tact:	Yes	No	Thermometer ID													NaHSO ₄ NABIS										
Cooler Custody Seals:	Yes	No	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃										
Sample Custody Seals	Yes	No	Temperature Reading													Zn Acetate+NaOH Zn										
Total Containers			Corrected Temperature:													NaOH+Ascorbic Acid SAPC										

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments									
CS-11 (15)	12/5/2022		X		Comp	1	BTEX 8021B																			
CS-12 (15)	12/5/2022		X		Comp	1	TPH 8015M (GRO + DRO + MRO)																			
SW-1 (22)	12/5/2022		X		Comp	1	Chloride 300 0																			
SW-2 (22)	12/5/2022		X		Comp	1																				
SW-3 (22)	12/5/2022		X		Comp	1																				
SW-4 (22)	12/5/2022		X		Comp	1																				
SW-5 (22)	12/5/2022		X		Comp	1																				
SW-6 (22)	12/5/2022		X		Comp	1																				
SW-7 (22)	12/5/2022		X		Comp	1																				
SW-8 (22)	12/5/2022		X		Comp	1																				

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		12/27/22	2		
3		1:35	4		
5			6		

Chain of Custody

Work Order No: 22272

Page 3 of 4

Project Manager	Ashton Thielke	Bill to (if different)	Laci Lugo
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marientfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-5347	Email	laci.lugo@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Project Name	Mallion 33 Federal #4	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number	1140	Due Date	24 Hours													None NO	DI Water H ₂ O				
Project Location	Lea Co. NM															Cool Cool	MeOH Me				
Sampler's Name	AT															HCL HC	HNO ₃ HN				
PO #																H ₂ SO ₄ H ₂	NaOH Na				
SAMPLE RECEIPT				Temp Blank	Yes No	Wet Ice	Yes No											H ₃ PO ₄ HP			
Received Intact	Yes No	Thermometer ID												NaHSO ₄ NABIS							
Cooler Custody Seals	Yes No N/A	Correction Factor												Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals	Yes No N/A	Temperature Reading												Zn Acetate+NaOH Zn							
Total Containers		Corrected Temperature												NaOH+Ascorbic Acid SAPC							
Parameters				BTEX 8021B																	
				TPH 8015M (GRO + DRO + MRO)																	
				Chloride 300 0																	
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW-9 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-10 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-11 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-12 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-13 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-14 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-15 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-16 (22)				12/5/2022		X		Comp	1	X	X	X									
SW-17 (7)				12/5/2022		X		Comp	1	X	X	X									
SW-18 (7)				12/5/2022		X		Comp	1	X	X	X									

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		12/5/22			
		1355			

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Cair Custody

Work Order No: 22272

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Project Manager	Ashton Thielke	Bill to (if different)	Laci Lugo
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address	310 West Wall Ste 415	Address:	600 N Marefield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	laci.lugo@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Project Name:	Mallion 33 Federal #4	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes																			
Project Number	1140	Due Date	24 Hours														None NO DI Water H ₂ O																			
Project Location	Lea Co, NM																Cool Cool MeOH Me																			
Sampler's Name	AT	TAT starts the day received by the lab, if received by 4 30pm															HCL HC HNO ₃ HN																			
PO #:																	H ₂ SO ₄ H ₂ NaOH Na																			
SAMPLE RECEIPT				Temp Blank	Yes No	Wet Ice	Yes No	H ₃ PO ₄ HP																												
Received Intact				Yes No	Thermometer ID	NaHSO ₄ NABIS																														
Cooler Custody Seals				Yes No N/A	Correction Factor	Na ₂ S ₂ O ₃ NaSO ₃																														
Sample Custody Seals				Yes No N/A	Temperature Reading	Zn Acetate+NaOH Zn																														
Total Containers				Corrected Temperature		NaOH+Ascorbic Acid SAPC																														
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments														
SW-19 (15)				12/5/2022		X		Comp	1	X	X	X	BTEX 8021B												Loc: 880											
SW-20 (15)				12/5/2022		X		Comp	1	X	X	X	TPH 8015M (GRO + DRO + MRO)												22272											
SW-21 (15)				12/5/2022		X		Comp	1	X	X	X	Chloride 300 0																							
SW-22 (15)				12/5/2022		X		Comp	1	X	X	X																								
SW-23 (15)				12/5/2022		X		Comp	1	X	X	X																								
SW-24 (15)				12/5/2022		X		Comp	1	X	X	X																								
SW-25 (15)				12/5/2022		X		Comp	1	X	X	X																								

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		12/18/22	2		
3		1355	4		
5			6		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22272-1

SDG Number: Lea Co, NM

Login Number: 22272**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

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

CONDITIONS

Action 169253

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 169253
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	12/21/2022