

CARMONA RESOURCES



SITE INFORMATION

**Closure Report
Cosmo Booster
Incident # NAPP2132634860
Lea County, New Mexico
Unit M Sec 15 T24S R35E
32.210614°, -103.360991°**

**Produced Water Release
Point of Release: Fire from an Unknown Source
Release Date: 11/21/2022
Volume Released: 800 barrels of Produced Water
Volume Recovered: 250 barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:
NGL Energy Partners, LLC
865 North Albion Street
Denver, CO 80220**

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

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

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT/TRENCHING ACTIVITIES

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1 OVERVIEW FIGURE 2 TOPOGRAPHIC

FIGURE 3 SAMPLE LOCATION FIGURE 4 EXCAVATION

APPENDICES

APPENDIX A TABLES

APPENDIX B PHOTOS

APPENDIX C INITIAL C-141 AND FINAL/NMOCD CORRESPONDENCE

APPENDIX D SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E LABORATORY REPORTS



July 14, 2022

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

**Re: Closure Report
Cosmo Booster
NGL Energy Partners, LLC
Site Location: Unit M, S15, T24S, R35E
(Lat 32.210614°, Long -103.360991°)
Lea County, New Mexico**

To whom it may concern:

On behalf of NGL Energy Partners, LLC. (NGL), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Cosmo Booster. The site is located at the following GPS coordinates 32.210614, -103.360991, within Unit M, S15, T24S, R35E, in Lea County, New Mexico. (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 21, 2021, caused by a fire from an unknown source. It resulted in the release of approximately eight hundred (800) barrels of produced water, and two hundred and fifty (250) barrels of produced water were recovered. The impacted area measured approximately 1,000' x 35' and 1,715' x 305' as shown on Figure 3. The initial C-141 form is attached in Appendix C.

On January 27, 2022, the OCD approved the remediation plan with a variance to collect composite confirmation sidewall and bottom hole floor samples every 1,000 square feet. The site was also granted an extension as well. See 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, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.40 miles Northeast of the site in S15, T24S, R35E and was drilled in 1976. However, after driving by and trying to find the well, it appears we could not locate it. The well has a reported depth to groundwater of 9.83' feet below the ground surface (ft bgs). The next closest well is located approximately 1.54 miles Northwest of the site in S10 T24S, R35E, and was drilled in 1996. A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

- Chloride: 600 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On December 3, 2021, a third-party consultant was on-site to define the release horizontally and vertically. A total of twelve (12) soil sample points (S-1 through S-12) and ten (10) horizontal sample points (H-1 through H-10) were installed to total depths ranging from surface to 4.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Trenches

On December 21, 2021, a third-party consultant was on site to vertically define the release. A total of six (6) trenches (Trench-1 through Trench-6) were installed to total depths ranging from surface to 6 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

All areas were vertically delineated. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite from June 16, 2022, through July 10, 2022, to supervise the remediation activities and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 6, June 14, and July 5, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. All areas were excavated to the proper depths to remove all impacted soils. A total of two hundred and seventeen (217) confirmation floor samples were collected (CS-1 through CS-217), and sixty-two (62) sidewall samples (SW-1 through SW-62) were collected every 1,000 square feet to ensure 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 sampling results are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4 (six sheets).

- The areas of S-1 (Trench-1), S-3 (Trench-2), and S-11 (Trench-5) were excavated to 4.5' below the surface.
- The area of S-2 was excavated to a depth of 2.0' below the surface.
- The area of S-4 (Trench-3) was excavated to a depth of 4.0' below the surface.
- The areas of S-5 (Trench-4) and S-12 (Trench-6) were excavated to a depth of 5.5' below the surface.
- The areas of S-6, and S-10 were excavated to a depth of 3.0' below the surface.



- The areas of S-7, S-8, and S-9 were excavated to a depth of 2.0' below the surface.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately **23,300** cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,
Carmona Resources, LLC

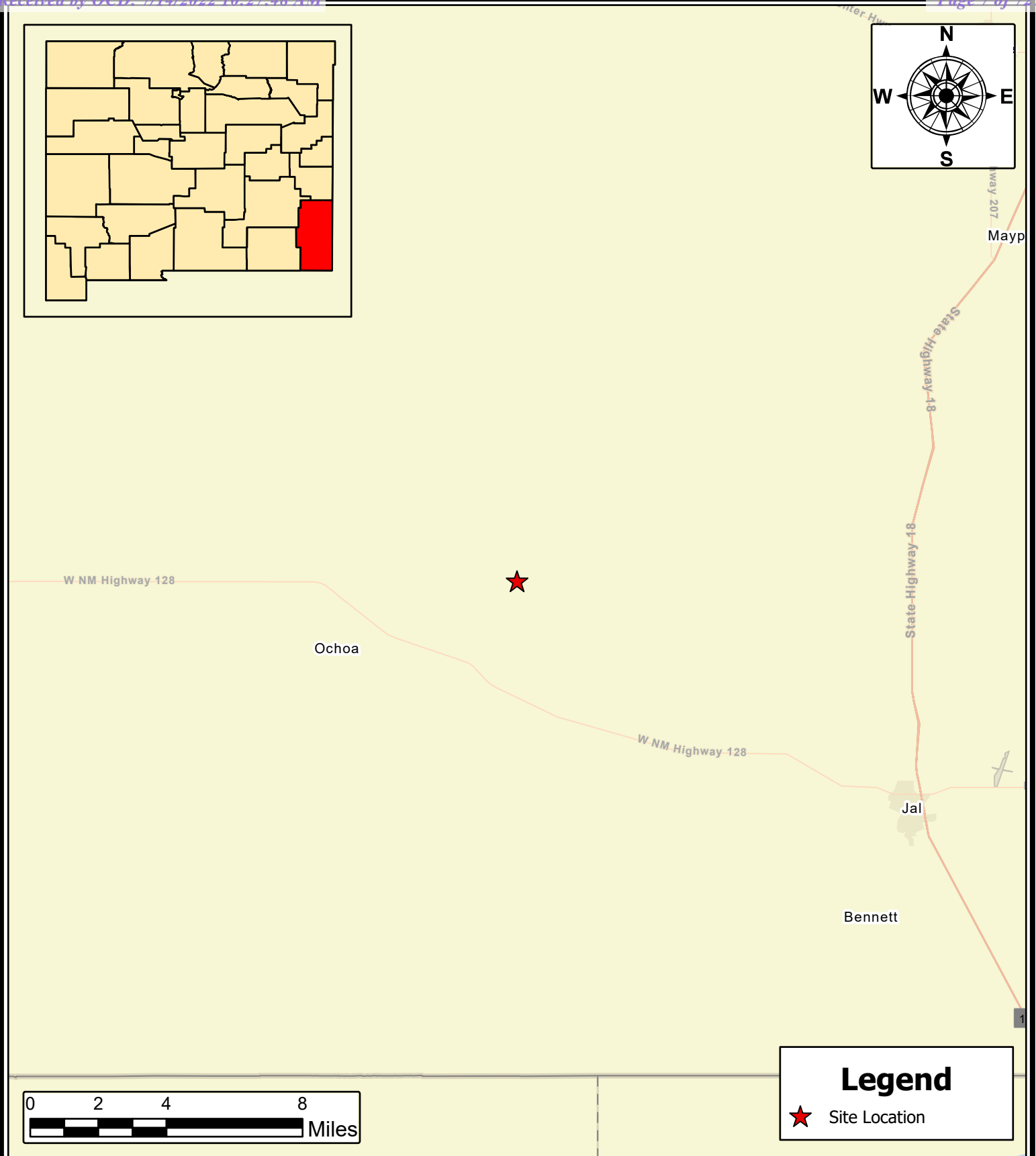
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



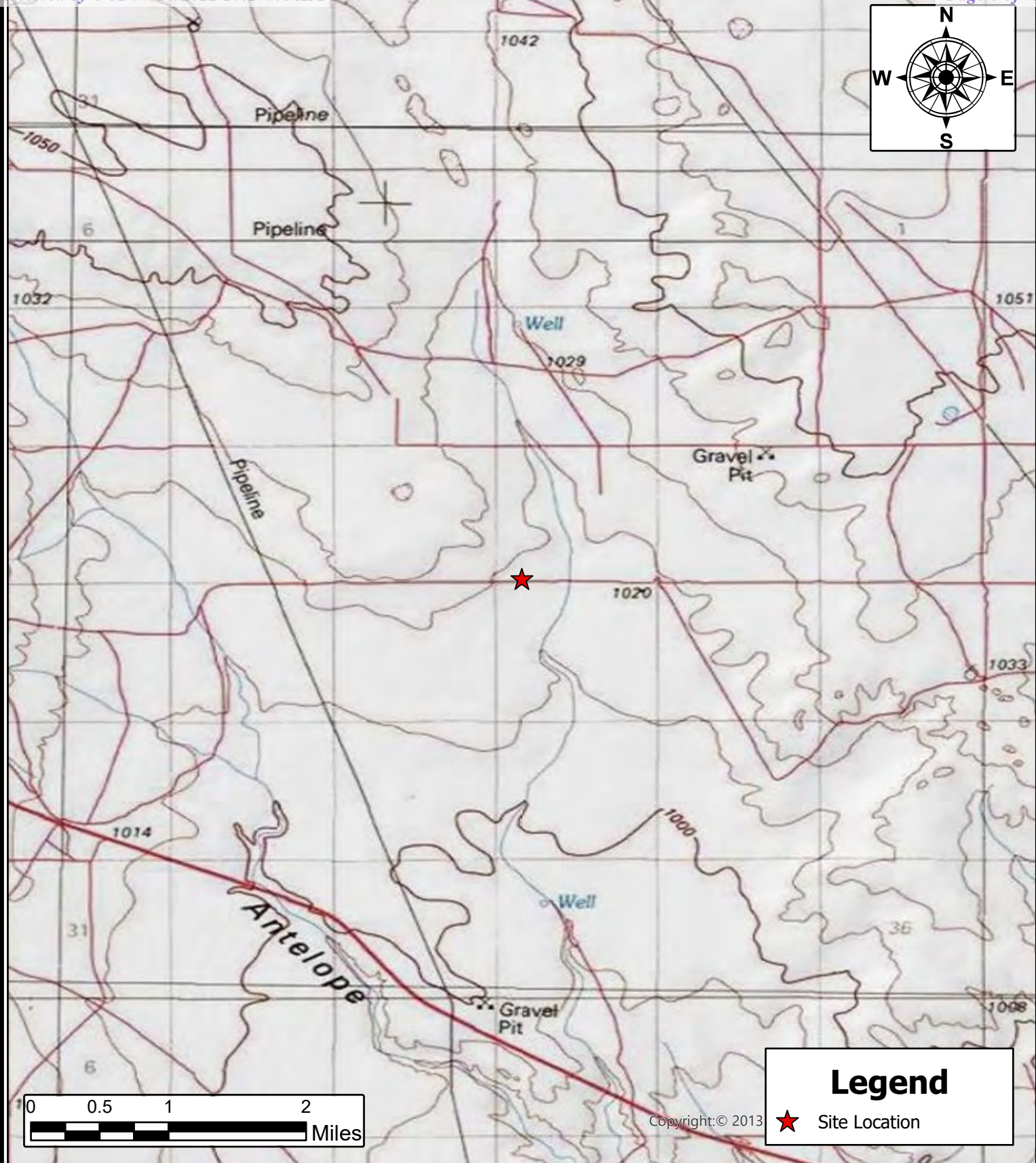


OVERVIEW MAP NGL ENERGY PARTNER COSMO BOOSTER LEA COUNTY, NEW MEXICO 32.210614 -103.360991	
SCALE: As Shown	Date: 7/6/2022

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

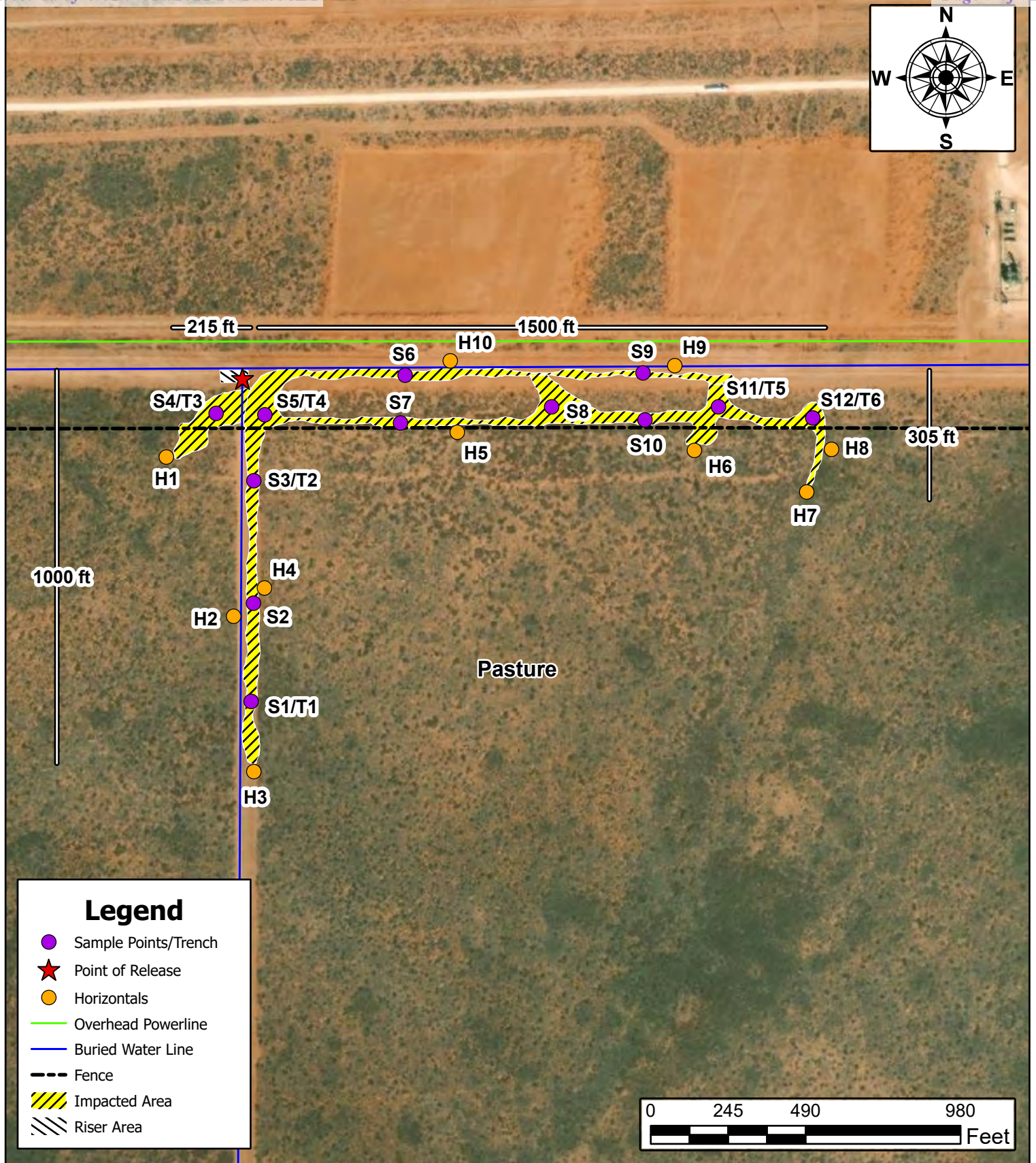


TOPOGRAPHIC MAP NGL ENERGY PARTNER COSMO BOOSTER LEA COUNTY, NEW MEXICO 32.210614 -103.360991	
SCALE: As Shown	Date: 7/6/2022

 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 2
SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP
NGL ENERGY PARTNER
 COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614 -103.360991

SCALE: As Shown

Date: 7/13/2022



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NOTES:

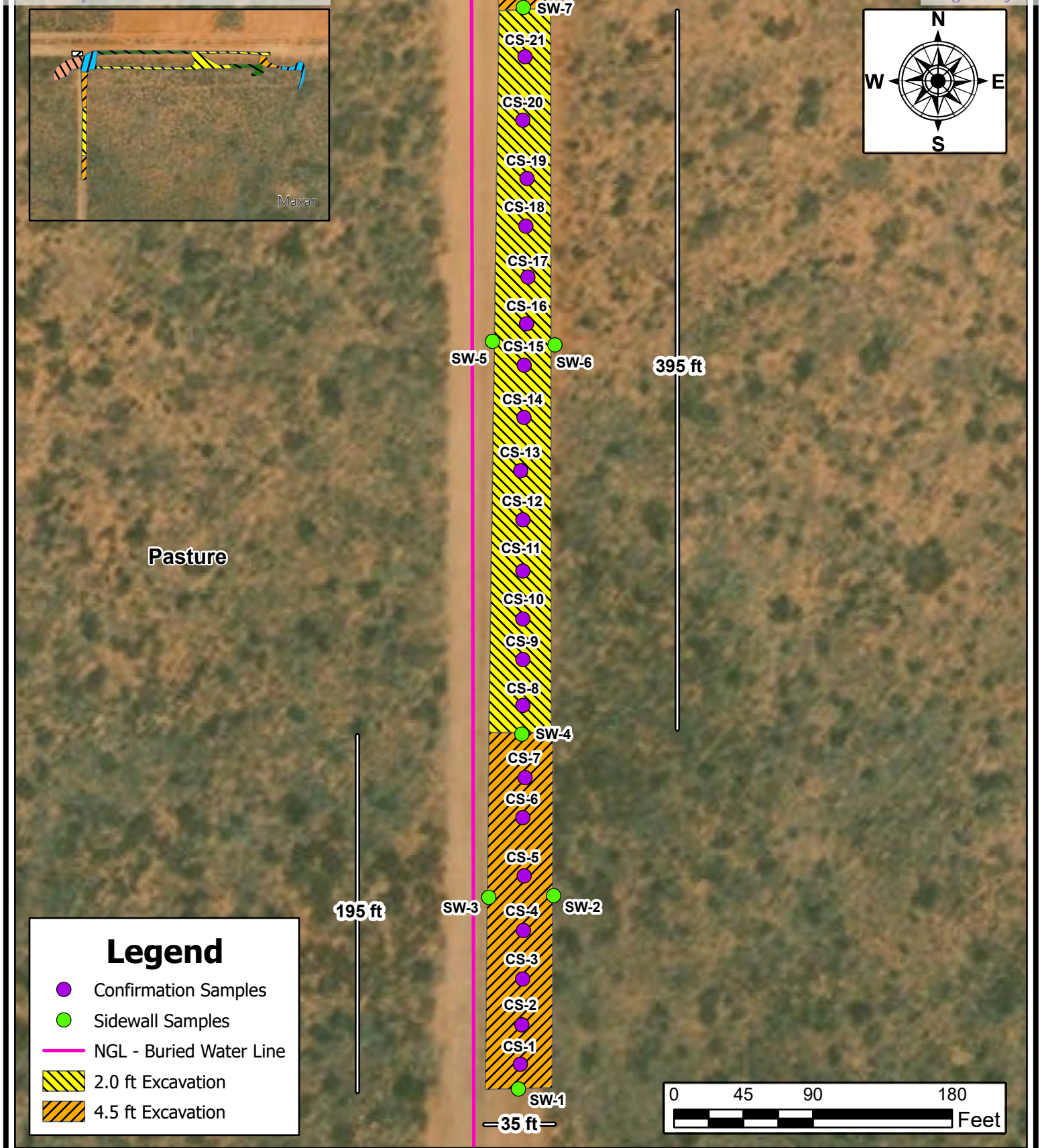
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



Legend

- Confirmation Samples
- Sidewall Samples
- NGL - Buried Water Line
- 2.0 ft Excavation
- 4.5 ft Excavation

SAMPLE LOCATION MAP
NGL ENERGY PARTNER
 COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614 -103.360991

SCALE: As Shown

Date: 7/12/2022



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NOTES:

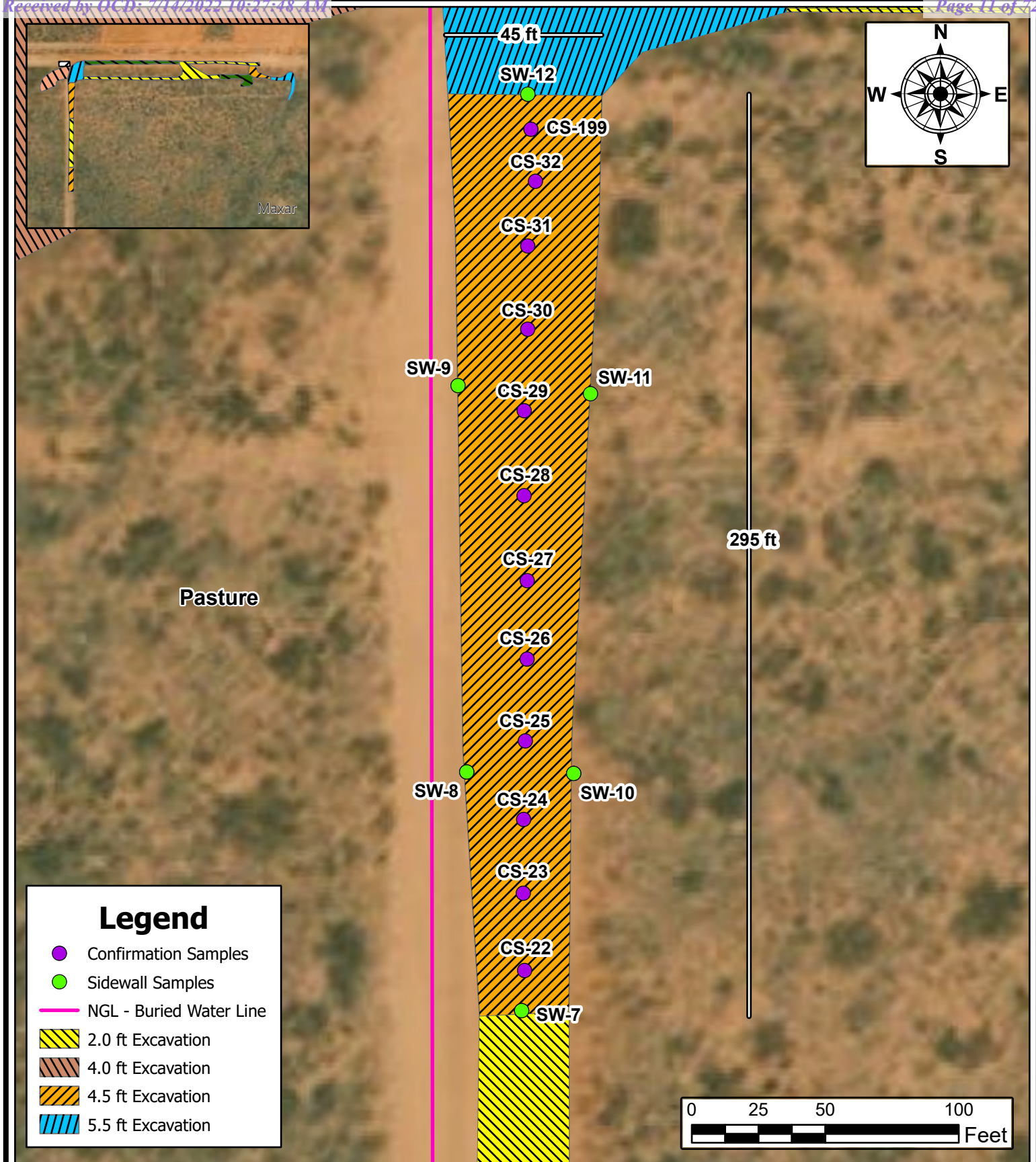
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 6



SAMPLE LOCATION MAP
NGL ENERGY PARTNER
COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614 -103.360991

SCALE: As Shown

Date: 7/12/2022



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NOTES:

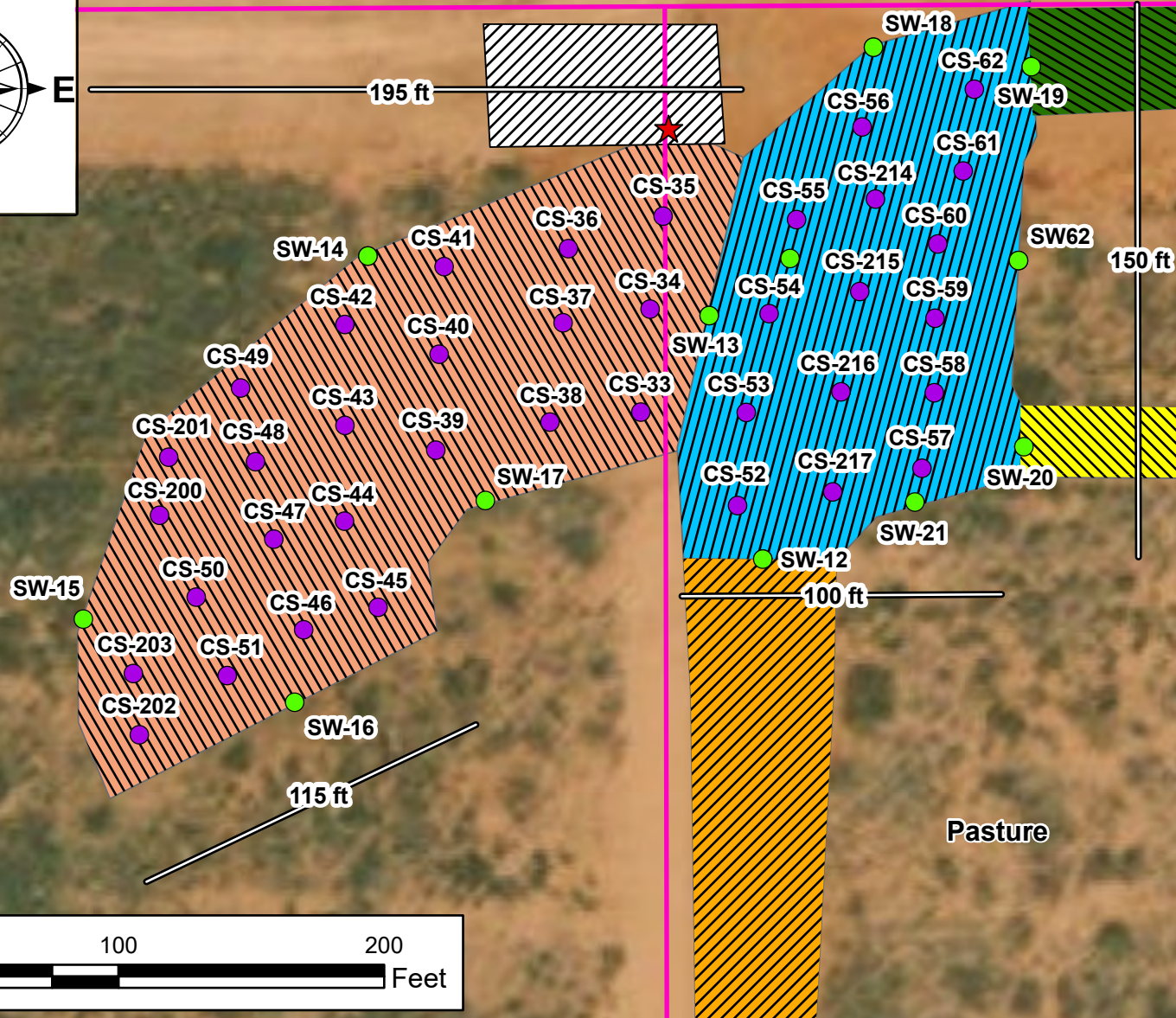
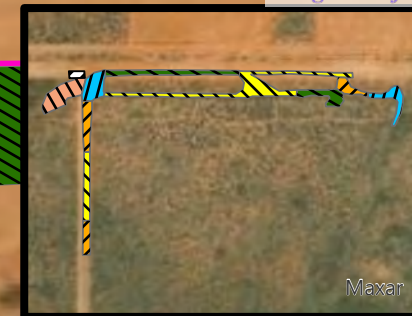
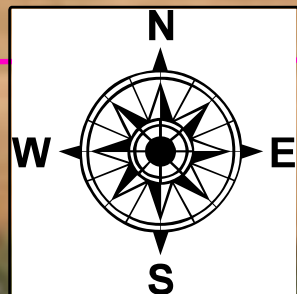
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

2 of 6



Legend

- ★ Point of Release
- Confirmation Samples
- Sidewall Samples
- NGL - Buried Water Line
- Overhead Powerlines
- 2.0 ft Excavation
- 3.0 ft Excavation
- 4.0 ft Excavation
- 4.5 ft Excavation
- 5.5 ft Excavation
- Riser Area

0 50 100 200
Feet

EXCAVATION DEPTH MAP
NGL ENERGY PARTNER
COSMO BOOSTER
LEA COUNTY, NEW MEXICO
32.210614 -103.360991



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:

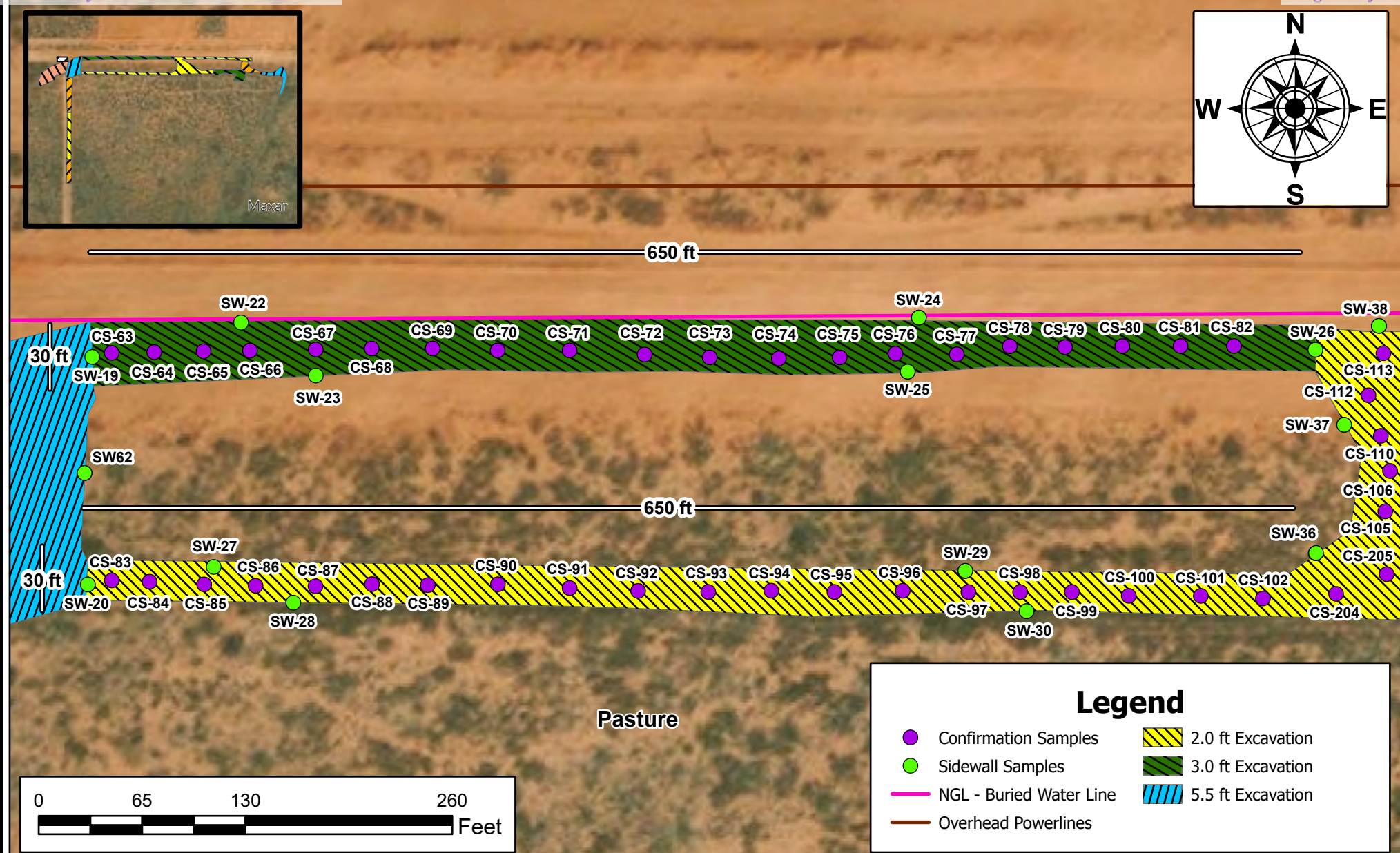
FIGURE 4

SHEET NUMBER:

3 of 6

SCALE: As Shown

Date: 7/12/2022



EXCAVATION DEPTH MAP
NGL ENERGY PARTNER
 COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614 -103.360991



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NOTES:

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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

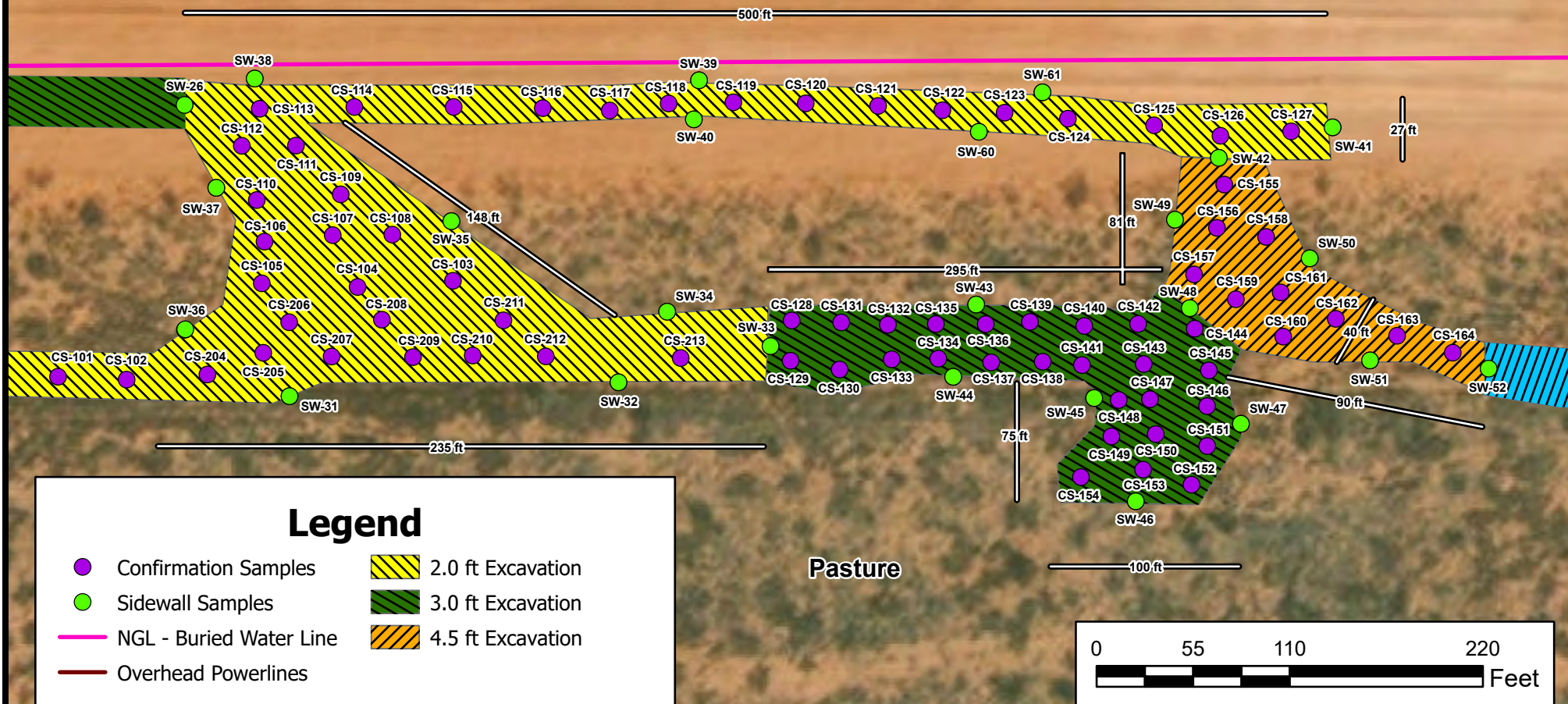
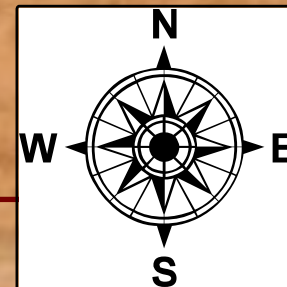
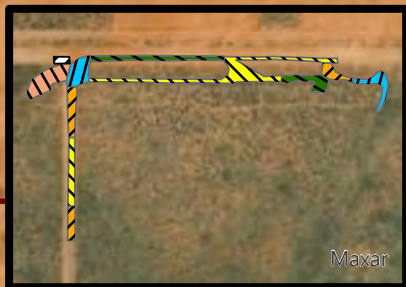
FIGURE 4

SHEET NUMBER:

4 of 6

SCALE: As Shown

Date: 7/12/2022



EXCAVATION DEPTH MAP
NGL ENERGY PARTNER
 COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614 -103.360991



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:

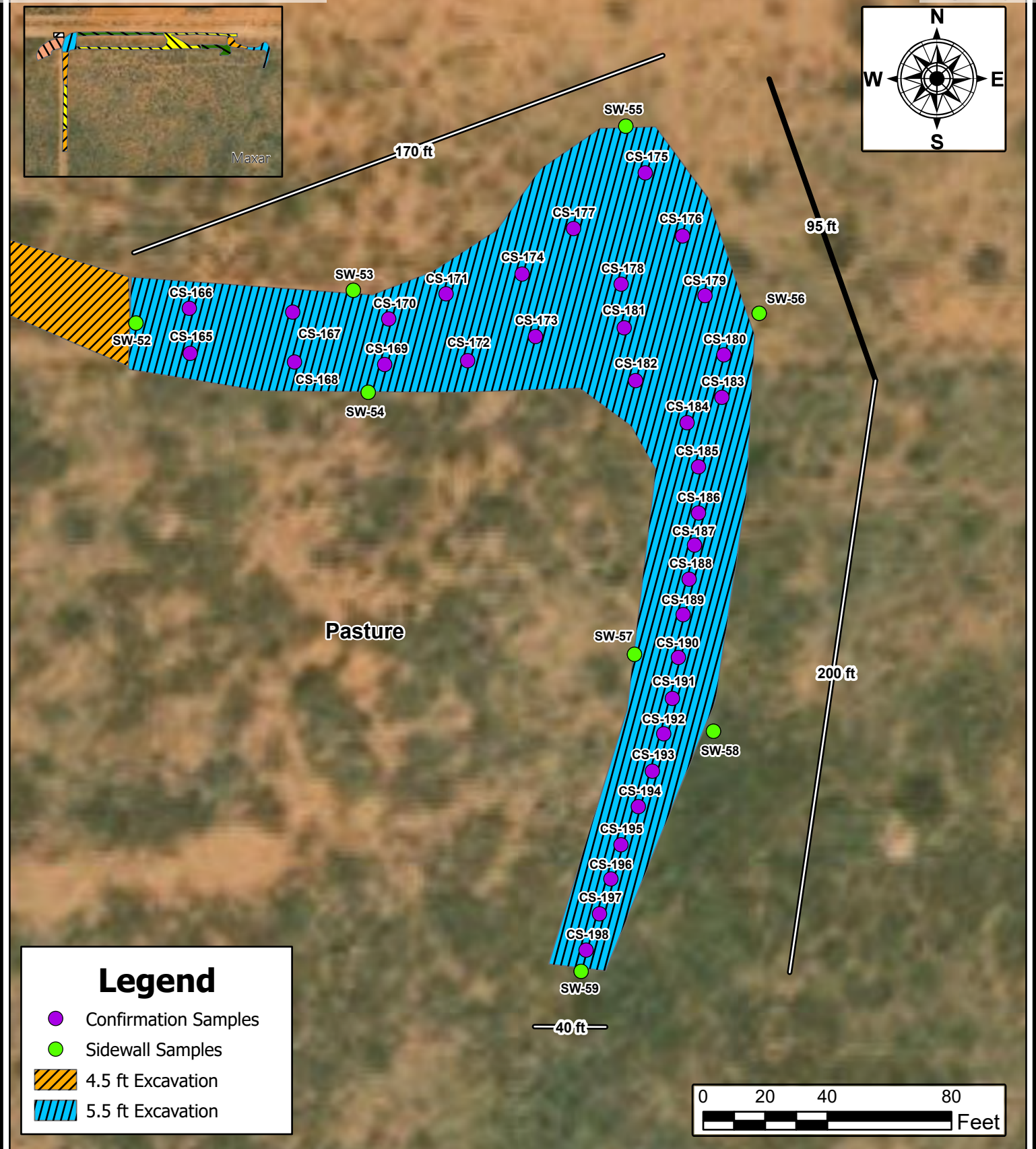
FIGURE 4

SHEET NUMBER:

5 of 6

SCALE: As Shown

Date: 7/12/2022



EXCAVATION DEPTH MAP
NGL ENERGY PARTNER
 COSMO BOOSTER
 LEA COUNTY, NEW MEXICO
 32.210614 -103.360991

SCALE: As Shown

Date: 7/12/2022



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:

6 of 6

APPENDIX A

CARMONA RESOURCES



Table 1
NGL Energy Partners
Cosmo Booster
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/3/2021	0-1'	<49.9	68.1	<49.9	68.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	526
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	641
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,090
T-1	12/21/2021	0-1	<49.9	441	<49.9	441	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,440
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2,100
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,790
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,250
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,390
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.1
S-2	12/3/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	253
	"	1-1.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,290
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	79.1
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.4
S-3	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	532
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,470
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,320
T-2	12/21/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,390
	"	1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,730
	"	2	50.5	<50.0	<50.0	50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,570
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,080
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	616
	"	5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	370
S-4	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	11.5
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.09
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.33
	"	3-3.5'	<50.0	401	<50.0	401	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7.77
T-3	12/21/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.4
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.60
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.99
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	9.68
	"	4	<49.9	<49.9	<49.9	<49.9	0.00389	<0.00200	0.0109	<0.00399	0.0148	5.54
S-5	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	69.6
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.7
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	74.5
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	226
	"	4-4.5'	493	<49.9	<49.9	493	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	524
T-4	12/21/2021	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	658
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	102
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13.7
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.9
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	218
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
	"	6	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	370

Table 1
NGL Energy Partners
Cosmo Booster
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-6	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,640
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,200
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	618
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	0.00204	<0.00402	<0.00402	261
	"	4-4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
S-7	12/3/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	701
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
	"	2-2.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	448
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	375
S-8	12/3/2021	0-1'	<49.8	<49.8	<49.8	<49.8	0.0127	<0.00202	0.00575	0.0350	0.0534	1,090
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	154
	"	2-2.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	142
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	124
S-9	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,430
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	568
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	382
S-10	12/3/2021	0-1'	<50.0	494	52.6	547	<0.00199	<0.00199	<0.00199	0.0212	0.0212	3,660
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,050
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	964
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.8
S-11	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	471
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	139
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,250
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,420
T-5	12/21/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,170
	"	1	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,560
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,270
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,930
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,450
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.7
S-12	12/3/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,160
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	598
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,950
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,120
T-6	12/21/2021	0-1	<50.0	<50.0	<50.0	<50.0	0.00201	0.00428	<0.00199	<0.00398	0.00899	2,600
	"	1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,630
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,030
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,210
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,210
	"	5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,050
T-6	"	6	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	21.4

Table 1
NGL Energy Partners
Cosmo Booster
Lea County, New Mexico

Sample ID	Date	Sample 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						
H-1	12/3/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.51
H-2	12/3/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
H-3	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.95
H-4	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.38
H-5	12/3/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6.23
H-6	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
H-7	12/3/2021	0-0.5'	<50.0	95.0	<50.0	95.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.04
H-8	12/3/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.98
H-9	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<4.95
H-10	12/3/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.01
Regulatory Limits						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

 Removed

Table 2
NGL Energy Partners
Cosmo Booster
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	6/30/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	159	
CS-2	6/30/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108	
CS-3	6/30/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	131	
CS-4	6/30/2022	4.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	117	
CS-5	6/30/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	66.5	
CS-6	6/30/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	78.7	
CS-7	6/30/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	120	
CS-8	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	149	
CS-9	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	149	
CS-10	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	148	
CS-11	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	150	
CS-12	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140	
CS-13	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	152	
CS-14	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	156	
CS-15	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	159	
CS-16	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	177	
CS-17	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	156	
CS-18	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	106	
CS-19	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	152	
CS-20	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	146	
CS-21	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	141	
CS-22	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	0.00395	<0.00201	<0.00402	0.00763	156	
CS-23	7/6/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	215	
CS-24	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	152	
CS-25	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	185	
CS-26	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	189	
CS-27	7/6/2022	4.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	176	
CS-28	7/6/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	0.00289	0.0150	0.0179	220	
CS-29	7/6/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	172	
CS-30	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	187	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-31	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	174	
CS-32	7/6/2022	4.5	<49.9	71.4	<49.9	71.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	168	
CS-33	7/6/2022	4.5	<49.9	71.0	<49.9	71.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	146	
CS-34	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	177	
CS-35	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	153	
CS-36	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	162	
CS-37	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	194	
CS-38	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	182	
CS-39	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	174	
CS-40	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	195	
CS-41	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	9.21	
CS-42	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	56.1	
CS-43	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8.82	
CS-44	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.1	
CS-45	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.9	
CS-46	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	32.1	
CS-47	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.9	
CS-48	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	54.6	
CS-49	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.3	
CS-50	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.8	
CS-51	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	24.6	
CS-52	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	43.9	
CS-53	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.8	
CS-54	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	0.00458	0.00551	0.0101	46.7	
CS-55	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	48.7	
CS-56	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.9	
CS-57	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	48.9	
CS-58	7/10/2022	5.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.1	
CS-59	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	46.0	
CS-60	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.1	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-61	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	53.4
CS-62	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.5
CS-63	6/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	80.1
CS-64	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	84.3
CS-65	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	89.9
CS-66	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	74.5
CS-67	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	89.6
CS-68	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	89.2
CS-69	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	88.1
CS-70	6/30/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	88.8
CS-71	6/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	78.1
CS-72	6/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	64.8
CS-73	6/30/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	86.2
CS-74	6/30/2022	3.0	<50.0	81.1	65.0	146	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	93.3
	7/7/2022	3.3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00266	0.00887	0.0115	34.3
CS-75	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	65.9
CS-76	6/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	90.3
CS-77	6/30/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	61.5
CS-78	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	75.4
CS-79	6/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	71.8
CS-80	6/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	68.8
CS-81	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	66.3
CS-82	7/4/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	240
CS-83	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98
CS-84	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7.00
CS-85	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
CS-86	6/26/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.00
CS-87	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	17.0
CS-88	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.01
CS-89	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5.69
CS-90	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.05
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

 Removed

Table 2
NGL Energy Partners
Cosmo Booster
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-91	6/26/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
CS-92	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.77
CS-93	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.98
CS-94	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.7
CS-95	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
CS-96	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.96
CS-97	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.99
CS-98	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
CS-99	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.05
CS-100	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.97
CS-101	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.97
CS-102	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.05
CS-103	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.96
CS-104	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.000402	<0.000402	<0.000402	<0.000803	<0.000803	<5.00
CS-105	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.9
CS-106	6/26/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.71
CS-107	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.97
CS-108	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
CS-109	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.82
CS-110	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.7
CS-111	6/26/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.00
CS-112	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
CS-113	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	141
CS-114	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	153
CS-115	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	164
CS-116	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	161
CS-117	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	185
CS-118	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	147
CS-119	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	170
CS-120	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	157
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-121	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
CS-122	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	216
CS-123	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	151
CS-124	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	183
CS-125	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	211
CS-126	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	172
CS-127	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	142
CS-128	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
CS-129	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
CS-130	6/26/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	14.8
CS-131	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	10.1
CS-132	6/26/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.000399	<0.000399	<0.000399	<0.000798	<0.000798	<4.96
CS-133	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9.87
CS-134	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.99
CS-135	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.0
CS-136	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.18
CS-137	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
CS-138	6/26/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.99
CS-139	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.95
CS-140	6/26/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.90
CS-141	6/26/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<5.00
CS-142	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
CS-143	6/26/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
CS-144	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<4.95
CS-145	6/26/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
CS-146	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	133
CS-147	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
CS-148	6/23/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
CS-149	6/23/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	112
CS-150	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	127
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-151	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	134	
CS-152	6/23/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	125	
CS-153	6/23/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	123	
CS-154	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	117	
CS-155	6/26/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98	
CS-156	6/26/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.08	
CS-157	6/26/2022	4.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05	
CS-158	6/26/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.98	
CS-159	6/23/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	132	
CS-160	6/23/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140	
CS-161	6/23/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116	
CS-162	6/23/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	122	
CS-163	6/18/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	130	
CS-164	6/18/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153	
CS-165	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	96.5	
CS-166	6/18/2022	5.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	84.0	
CS-167	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	162	
CS-168	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	56.3	
CS-169	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	104	
CS-170	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	28.7	
CS-171	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.39	
CS-172	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	158	
CS-173	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.4	
CS-174	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	55.4	
CS-175	6/23/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	125	
CS-176	6/23/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	125	
CS-177	6/23/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	129	
CS-178	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	214	
CS-179	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	194	
CS-180	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	50.8	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-181	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	240	
CS-182	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	53.1	
CS-183	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.9	
CS-184	6/21/2022	5.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	45.4	
CS-185	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	45.4	
CS-186	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.7	
CS-187	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	48.7	
CS-188	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.9	
CS-189	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	59.6	
CS-190	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.9	
CS-191	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.9	
CS-192	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.1	
CS-193	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.0	
CS-194	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	44.2	
CS-195	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.3	
CS-196	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.1	
CS-197	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	42.8	
CS-198	6/21/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	42.3	
CS-199	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	167	
CS-200	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	21.7	
CS-201	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	55.0	
CS-202	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.2	
CS-203	7/6/2022	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7.79	
CS-204	7/7/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.87	
CS-205	7/7/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.2	
CS-206	7/7/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.8	
CS-207	7/7/2022	2.0	<50.0	88.6	<50.0	88.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.6	
CS-208	7/7/2022	2.0	<50.0	80.2	<50.0	80.2	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	9.22	
CS-209	7/7/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	17.2	
CS-210	7/7/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.2	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-211	7/7/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.4
CS-212	7/7/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.8
CS-213	7/7/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	13.3
CS-214	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	52.3
CS-215	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.8
CS-216	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.0
CS-217	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	43.4
SW-1	6/30/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	98.8
SW-2	6/30/2022	4.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	99.7
SW-3	6/30/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	156
SW-4	6/30/2022	2.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	98.8
SW-5	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	220
SW-6	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	192
SW-7	7/2/2022	2.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	162
SW-8	7/6/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	27.8
SW-9	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.84
SW-10	7/6/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	80.6
SW-11	7/6/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.3
SW-12	7/10/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.9
SW-13	7/10/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	48.5
SW-14	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.9
SW-15	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	31.3
SW-16	7/6/2022	4.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5.90
SW-17	7/6/2022	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	58.4
SW-18	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	52.1
SW-19	7/10/2022	2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	43.8
SW-20	7/10/2022	3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.6
SW-21	7/10/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.8
SW-22	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	88.1
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	50 mg/kg	600 mg/kg
(-) Not Analyzed												

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
NGL Energy Partners
Cosmo Booster
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-23	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	169
SW-24	6/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	97.7
SW-25	6/30/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	140
SW-26	7/2/2022	1.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	171
SW-27	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	6.90
SW-28	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	13.5
SW-29	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.95
SW-30	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
SW-31	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.5
SW-32	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.95
SW-33	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7.72
SW-34	6/26/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
SW-35	6/26/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.20
SW-36	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6.79
SW-37	6/26/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
SW-38	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	231
SW-39	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	132
SW-40	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	214
SW-41	7/2/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	238
SW-42	7/2/2022	2.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	186
SW-43	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5.09
SW-44	6/26/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5.88
SW-45	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	135
SW-46	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	117
SW-47	6/23/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	114
SW-48	6/23/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	114
SW-49	6/26/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
SW-50	6/26/2022	4.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.95
SW-51	6/18/2022	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	203
SW-52	6/18/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	187
SW-53	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	114
SW-54	6/18/2022	5.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	162
SW-55	6/23/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	117
SW-56	6/18/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	209
SW-57	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	37.1
SW-58	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.8
SW-59	6/21/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.8
SW-60	7/2/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	170
SW-61	7/2/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	282
SW-62	7/10/2022	5.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	51.9
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View South, area of confirmation samples (1-7).



Photograph No. 2

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Southeast, area of confirmation samples (8-21).



Photograph No. 3

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Southeast, area of confirmation samples (22-32 & 199).



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Southwest, area of confirmation samples (33-51 & 200-203).



Photograph No. 5

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Southwest, area of confirmation samples (52-62 & 214-217).



Photograph No. 6

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of confirmation samples (63-82).



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 7

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of confirmation samples (63-82).



Photograph No. 8

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View East, area of confirmation samples (83-102).



Photograph No. 9

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View East, area of confirmation samples (205-213).



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 10

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of confirmation samples (103-112 & 204-213).



Photograph No. 11

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of confirmation samples (113-127).



Photograph No. 12

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View South, area of confirmation samples (128-138).



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 13

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View South, area of confirmation samples (139-154).



Photograph No. 14

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View East, area of confirmation samples (155-164).



Photograph No. 15

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View Northeast, area of confirmation samples (155-160).



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 13

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View West, area of confirmation samples (165-183).



Photograph No. 14

Facility: Cosmo Booster

County: Lea County, New Mexico

Description:

View South, area of confirmation samples (184-198).



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2132634860
District RP	
Facility ID	
Application ID	62929

Release Notification

Responsible Party

Responsible Party NGL Water Solutions Permian, LLC	OGRID 372338
Contact Name Joseph Vargo	Contact Telephone 303-815-1010
Contact email joseph.vargo@nglep.com	Incident # (assigned by OCD) nAPP2132634860
Contact mailing address 865 North Albion Street, Suite 400, Denver, CO 80220	

Location of Release Source

Latitude 32.21070 _____ Longitude -103.36090 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cosmo	Site Type Transfer Station for Tap Rock
Date Release Discovered 11-21-2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	15	24S	35E	LEA

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 800	Volume Recovered (bbls) 250
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

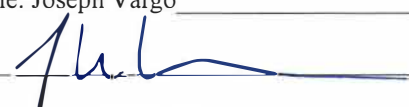
At approximately 1:30pm, Cosmo transfer booster for unknown reasons caught fire resulting in the release. Jal fire department responded on the scene, extinguishing the fire with foam and water. Remediation began immediately following once the location was secure and safe.

Incident ID	nAPP2132634860
District RP	
Facility ID	
Application ID	62929

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, in less than 24 hours, a NOR was filed online with the OCD	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Joseph Vargo	Title: Regulatory Director
Signature: 	Date: 11-23-2021
email: Joseph.Vargo@NGLEP.com	Telephone: (303) 597-5652
<u>OCD Only</u>	
Received by: Ramona Marcus	Date: 11/29/2021

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

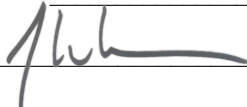
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

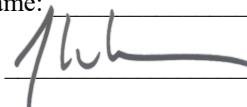
Closure

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

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

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

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

Printed Name: _____ Title: _____
Signature:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: 07/19/2022

Printed Name: Jennifer Nobui _____ Title: Environmental Specialist A _____

From: Joe Vargo
Sent: Friday, June 17, 2022 3:37 PM
To: Mike Carmona; Conner Moehring
Cc: Cole Lane
Subject: FW: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Mike / Conner – please be sure to include this email from Mike Bratcher in the closure report for Cosmo.

Thanks!



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Matthias Sayer <Matthias.Sayer@nglep.com>
Sent: Friday, June 17, 2022 2:18 PM
To: Joe Vargo <Joseph.Vargo@nglep.com>; Cole Lane <Cole.Lane@nglep.com>
Cc: Doug White <Doug.White@nglep.com>
Subject: FW: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

FYI

Extension on Cosmo release closure granted through July 16, 2022.

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Friday, June 17, 2022 11:09 AM
To: Matthias Sayer <Matthias.Sayer@nglep.com>
Cc: Barr, Leigh P EMNRD <leighp.barr@state.nm.us>
Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Matthias,

Sorry for the delayed response. Still gets a little hectic here at times. Your request for an extension of time to complete the referenced incident is approved to July 16, 2022. Please be aware that this is the second extension approval, and will be the final extension approval. The net volume loss for this incident makes us a little uncomfortable.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Matthias Sayer <Matthias.Sayer@nglep.com>
Sent: Tuesday, June 14, 2022 12:12 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Barr, Leigh P EMNRD <leighp.barr@state.nm.us>
Subject: Fwd: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Mike,

Hello, hope all is well down south!

I spoke with Leigh earlier today and she mentioned that Chad was no longer with the Division, but that you were working on the approval of the extension for the Cosmo release.

The current closure date is June 27. We are working to close by that date, but in light of certain delays, pushing the date a bit will ensure we are complete within the window.

Can we move the date out to the end of the week of July 11, which I guess would make it July 16?

Thank you Mike for your time and help!

Matthias

Begin forwarded message:

From: Matthias Sayer <Matthias.Sayer@nglep.com>
Date: June 13, 2022 at 5:02:00 PM MDT
To: "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>
Cc: "Barr, Leigh P EMNRD" <leighp.barr@state.nm.us>, Joe Vargo <Joseph.Vargo@nglep.com>
Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Chad,

Apologies for cluttering up your inbox.

Following-up on the request for a short extension—is an extra two weeks possible?

I know this is not ideal, but we are so very close to a good outcome that conserves clean soil, cuts down on truck miles, and saves non-trivial costs for multiple parties.

Thank you for your time and help!

Matthias

From: Matthias Sayer

Sent: Tuesday, June 7, 2022 10:04 AM

To: Joe Vargo <Joseph.Vargo@nglep.com>; Hensley, Chad, EMNRD
<Chad.Hensley@state.nm.us>

Cc: Barr, Leigh P EMNRD <leighp.barr@state.nm.us>

Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Chad,

Just following-up with a bit of additional detail (and looping Leigh in).

As Joe noted, a minor modification is underway to adjust the landfill permit to allow use of recycled contaminated soil (the Cosmo soil) to be used as part of the protective cover for the leachate collection system at the landfill. This is a bit of a novel approach, but one that conserves clean soil and finds utility in what would otherwise be a waste (the Cosmo soil). Because the approach is a bit novel, it has taken a bit of time to consider the matter and ensure we were within the lines drawn by the permit and the regulations. The minor modification that Leigh is reviewing ensures the approach is within relevant lines.

As noted by Joe, present timing (which is still a bit in flux as the minor modification is under review and requires the Director's signature) puts us very close to bumping into the closure deadline of 6/27. To avoid problems with the closure deadline, can we push the deadline out an additional two weeks to the week of July 11? We are so very close to being able to execute on this approach, but timing has become a bit tight.

I apologize for complicating things a bit, but please advise if you have any questions and if this seems doable.

Thank you Chad and Leigh for your time, patience, and help! 🙏

Matthias

From: Joe Vargo
Sent: Tuesday, June 7, 2022 9:22 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Matthias Sayer <Matthias.Sayer@nglep.com>
Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Good Morning Chad,

Recently there was a modification submitted for the original landfill permit. To my knowledge it has been completed and is in Adrienne Sandoval's queue to sign.

We are lined up with trucks and ready to start hauling.

However, based on when the signature is finalized, we are wondering if there is any wiggle room for possibly another 1-2 weeks' time.

I've been told if she doesn't sign until later this week, we'll have to have the trucks running nights to get everything submitted by the 27th.

We believe it can still be done, but having an extra week or two would be greatly appreciated.

Thank you.



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Monday, March 21, 2022 10:57 AM
To: Joe Vargo <Joseph.Vargo@nglep.com>
Cc: Matthias Sayer <Matthias.Sayer@nglep.com>
Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Joe,
Extension to 06:27/2022 is granted.

NOTE: The OCD requires a copy of all correspondence relative to remedial projects be included in all proposal and/or final closure reports. Correspondence required to be

included in reports may include, but not necessarily limited to, extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests. This will allow for notifications and requests to become a documented part of the incident file.

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Joe Vargo <Joseph.Vargo@nglep.com>

Sent: Wednesday, March 16, 2022 4:22 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

Cc: matthias.sayer@nglep.com

Subject: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

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

Good Afternoon Chad,

Please let me know if you'd be available this week or early next for a call and discuss this extension with Matthias and me.

Thank you sir



Joseph Vargo | Director, Regulatory | NGL Water Solutions

865 North Albion Street, Suite 400 | Denver, CO 80220

Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Joe Vargo
Sent: Friday, March 11, 2022 10:40 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Matthias Sayer <Matthias.Sayer@nglep.com>
Subject: Cosmo - Remediation Extension (nAPP2132634860)

Hi Chad,

Hope all is well.

Regarding our Cosmo release, the Work Plan (attached) was approved on January 27, 2022.

NGL is currently in process in working with another group to build our own landfill, which has been permitted already (attached also)

Based on the size and scope of this release, we are wondering if we could have an additional 6-8 weeks, in order to then utilize this landfill as it will be completed by beginning of June.

So seeking a possible extension from April 27 due date to say June 15?

Thank you,



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Joe Vargo
Sent: Monday, March 21, 2022 4:08 PM
To: Mike Carmona; Conner Moehring
Cc: Cole Lane
Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Mike / Conner,

If we were to be able to use the landfill starting June 1, can you please write out a quick overview of timing for us to file by June 27.

If we need to expedite the lab sampling we can

Our boss is looking for just a brief overview of timing

Thanks,



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Monday, March 21, 2022 11:04 AM
To: Joe Vargo <Joseph.Vargo@nglep.com>; Conner Moehring <Cmoehring@carmonaresources.com>
Cc: Cole Lane <Cole.Lane@nglep.com>
Subject: Re: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Great News!

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

From: Joe Vargo <Joseph.Vargo@nglep.com>
Sent: Monday, March 21, 2022 12:02:48 PM
To: Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>
Cc: Cole Lane <Cole.Lane@nglep.com>
Subject: FW: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

We were able to receive an 8 week extension on Cosmo

We are going to be utilizing a new landfill to help us save on costs, which is set to come on in about a month...



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Monday, March 21, 2022 10:57 AM
To: Joe Vargo <Joseph.Vargo@nglep.com>
Cc: Matthias Sayer <Matthias.Sayer@nglep.com>
Subject: RE: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

Joe,
Extension to 06:27/2022 is granted.

NOTE: The OCD requires a copy of all correspondence relative to remedial projects be included in all proposal and/or final closure reports. Correspondence required to be included in reports may include, but not necessarily limited to, extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests. This will allow for notifications and requests to become a documented part of the incident file.

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Joe Vargo <Joseph.Vargo@nglep.com>
Sent: Wednesday, March 16, 2022 4:22 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: matthias.sayer@nglep.com
Subject: [EXTERNAL] RE: Cosmo - Remediation Extension (nAPP2132634860)

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

Good Afternoon Chad,

Please let me know if you'd be available this week or early next for a call and discuss this extension with Matthias and me.

Thank you sir



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: Joe Vargo
Sent: Friday, March 11, 2022 10:40 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Matthias Sayer <Matthias.Sayer@nglep.com>
Subject: Cosmo - Remediation Extension (nAPP2132634860)

Hi Chad,

Hope all is well.

Regarding our Cosmo release, the Work Plan (attached) was approved on January 27, 2022.

NGL is currently in process in working with another group to build our own landfill, which has been permitted already (attached also)

Based on the size and scope of this release, we are wondering if we could have an additional 6-8 weeks, in order to then utilize this landfill as it will be completed by beginning of June.

So seeking a possible extension from April 27 due date to say June 15?

Thank you,



Joseph Vargo | Director, Regulatory | NGL Water Solutions
865 North Albion Street, Suite 400 | Denver, CO 80220
Tel: (303)-597-5652 | Mobile: (406) 868-9799

From: [Mike Carmona](#)
To: OCD.Enviro@state.nm.us
Cc: [Joe Vargo](#); [Conner Moehring](#); [Cole Lane](#)
Subject: NGL Cosmo Booster NAPP2132634860 Sampling Notification
Date: Monday, June 6, 2022 9:09:08 AM
Attachments: [765E7733DA994A9BBF5FC48BF59A36B6.png](#)

Good Morning,

This email serves as notification for excavation on the NGL Cosmo Booster Excavation, and sampling is scheduled to begin June 8th at 11:30 a.m. (MST). Carmona Resources will be onsite for field and confirmation sampling. Carmona Resources will be collecting 1,000 square feet bottom floor samples and sidewall samples per the work plan approval date of 01/27/2022.

An extension was also granted and extended until June 27th, 2022. Please let me know if you have any questions.

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

CARMONA RESOURCES



From: [Mike Carmona](#)
To: OCD.Enviro@state.nm.us
Cc: [Joe Vargo](#); [Cole Lane](#); [Conner Moehring](#)
Subject: NGL Cosmo Booster NAPP2132634860 Sampling Notification
Date: Tuesday, June 14, 2022 9:02:24 AM
Attachments: [12666F6B05BC415EBC31AF84E97CCD7B.png](#)

Good Morning,

We had a delay in our time frame and this email serves as notification for excavation on the NGL Cosmo Booster, and sampling is scheduled to begin June 16th at 11:30 a.m. (MST). Carmona Resources will be onsite for field and confirmation sampling. Carmona Resources will be collecting 1,000 square feet bottom floor samples and sidewall samples per the work plan approval date of 01/27/2022.

Please let me know if you have any questions.

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

CARMONA RESOURCES



From: [Conner Moehring](#)
To: OCD.Enviro@state.nm.us
Cc: [Mike Carmona](#)
Subject: NGL Cosmo Booster NAPP2132634860 Sampling Notification
Date: Tuesday, July 5, 2022 1:13:09 PM
Attachments: [B1223E03BA9E4FFCBBFB917E7C6F1158.png](#)

Good Afternoon,

This email serves as notification for the excavation of the NGL Cosmo Booster Excavation. Carmona Resources is still on-site and continues to collect confirmation samples. Carmona Resources will be collecting 1,000 square feet bottom floor samples and sidewall samples per the work plan approval date of 01/27/2022.

Please let me know if you have any questions.

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



APPENDIX D

CARMONA RESOURCES



Nearest water well

NGL - Cosmo Booster

Legend

- 0.40 Miles
- 0.50 Mile Radius
- 1.54 Miles
- 1.69 Miles
- Cosmo Booster
- NMSEO Water Well
- USGS Water Well

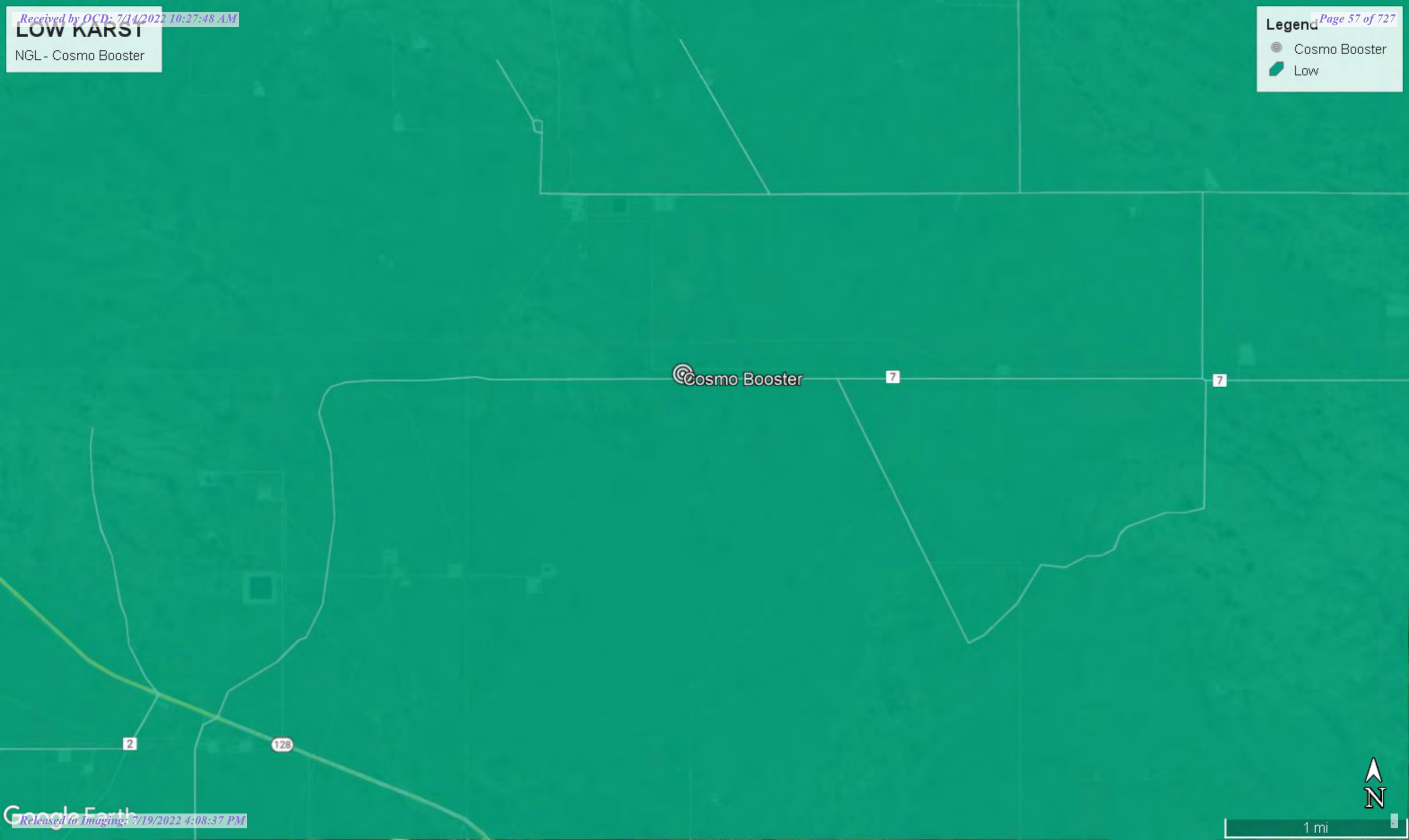


LOW KARST

NGL - Cosmo Booster

Legend

-  Cosmo Booster
-  Low





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	Depth Well	Depth Water	Water Column
CP 00366 POD1	CP	LE		4	1	1	10	24S	35E	654447	3567834*	1250		
CP 00573	CP	LE		1	4	1	10	24S	35E	654657	3567638*	405	300	105
CP 00839 POD1	CP	LE		4	3	30	24S	35E	650017	3561833*	175			
CP 00842 POD1	CP	LE		2	4	24	24S	35E	658834	3563982*	130			
CP 00845 POD1	CP	LE		1	3	10	24S	35E	654360	3567130*	190			
CP 01056 POD1	CP	LE		4	4	3	02	24S	35E	656465	3568304	5396	4399	997
CP 01057 POD1	CP	LE		4	2	3	02	24S	35E	656464	3568762	5390	4365	1025
CP 01119 POD2	CP	LE			4	23	24S	35E	657210	3564007	1572			
CP 01513 POD1	CP	LE		3	3	1	10	24S	35E	654184	3567350	186		
P 04623 POD4	P	RO		2	2	4	14	24S	35E	653797	3787492	250		

Average Depth to Water: **3021 feet**

Minimum Depth: **300 feet**

Maximum Depth: **4399 feet**

Record Count: 10

PLSS Search:

Township: 24S

Range: 35E

*UTM location was derived from PLSS - see Help

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7/13/22 4:35 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Released to Imaging: 7/19/2022 4:08:37 PM



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Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321249103211101

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321249103211101 24S.35E.15.234

Lea County, New Mexico
Latitude 32°12'49", Longitude 103°21'11" NAD27
Land-surface elevation 3,346 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 of measurement
1968-06-12			D	62610	3343.04	NGVD29	1		Z	
1968-06-12			D	62611	3344.55	NAVD88	1		Z	
1968-06-12			D	72019	1.45		1		Z	
1970-12-09			D	62610	3338.22	NGVD29	1		Z	
1970-12-09			D	62611	3339.73	NAVD88	1		Z	
1970-12-09			D	72019	6.27		1		Z	
1976-01-16			D	62610	3334.66	NGVD29	1		Z	
1976-01-16			D	62611	3336.17	NAVD88	1		Z	
1976-01-16			D	72019	9.83		1		Z	

Explanation

Section	Code	Description

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

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Page Last Modified: 2022-07-13 18:24:36 EDT

0.28 0.25 nadww02



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Data Category:
Groundwater

Geographic Area:
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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321335103214901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321335103214901 24S.35E.10.13333

Lea County, New Mexico
Latitude 32°13'56", Longitude 103°21'49" NAD27
Land-surface elevation 3,360.10 feet above NGVD29
The depth of the well is 190 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1965-10-21			D 62610		3200.93	NGVD29	1		Z	
1965-10-21			D 62611		3202.48	NAVD88	1		Z	
1965-10-21			D 72019	159.17			1		Z	
1968-06-12			D 62610		3202.28	NGVD29	1		Z	
1968-06-12			D 62611		3203.83	NAVD88	1		Z	
1968-06-12			D 72019	157.82			1		Z	
1970-12-09			D 62610		3201.31	NGVD29	1		Z	
1970-12-09			D 62611		3202.86	NAVD88	1		Z	
1970-12-09			D 72019	158.79			1		Z	
1976-01-15			D 62610		3203.75	NGVD29	1		Z	
1976-01-15			D 62611		3205.30	NAVD88	1		Z	
1976-01-15			D 72019	156.35			1		Z	
1981-03-19			D 62610		3197.14	NGVD29	1		Z	
1981-03-19			D 62611		3198.69	NAVD88	1		Z	
1981-03-19			D 72019	162.96			1		Z	
1986-03-07			D 62610		3198.41	NGVD29	1		Z	
1986-03-07			D 62611		3199.96	NAVD88	1		Z	
1986-03-07			D 72019	161.69			1		Z	

7/13/22, 5:26 PM

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 of measurement
1991-05-23			D	62610	3195.95	NGVD29	1	Z		
1991-05-23			D	62611	3197.50	NAVD88	1	Z		
1991-05-23			D	72019	164.15		1	Z		
1996-03-07			D	62610	3195.67	NGVD29	1	S		
1996-03-07			D	62611	3197.22	NAVD88	1	S		
1996-03-07			D	72019	164.43		1	S		

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	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Page Last Modified: 2022-07-13 18:26:21 EDT

0.28 0.24 nadww01





New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
		Q64	Q16	Q4	Sec	Tw	Rng		
	CP 00573	1	4	1	10	24S	35E	654657	3567638*

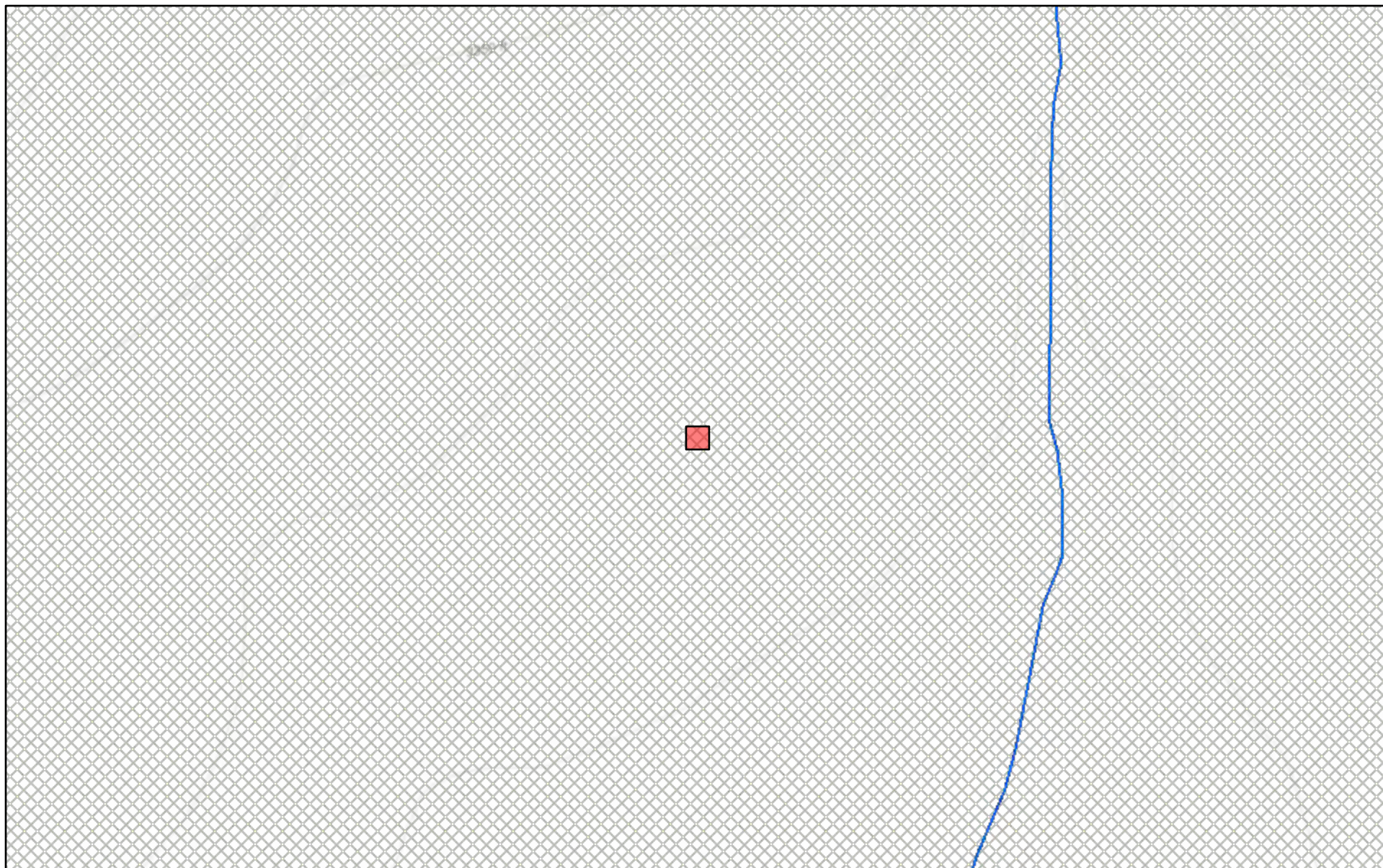
Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	09/28/1978	Drill Finish Date:	10/12/1978	Plug Date:	11/01/1978
Log File Date:	10/19/1978	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	20 GPM
Casing Size:	5.50	Depth Well:	405 feet	Depth Water:	300 feet

Water Bearing Stratifications:	Top	Bottom	Description
	300	405	Sandstone/Gravel/Conglomerate
Casing Perforations:	Top	Bottom	
	355	405	

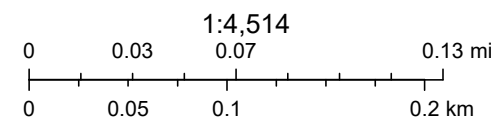
*UTM location was derived from PLSS - see Help

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New Mexico NFHL Data



July 13, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-8956-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Cosmo Booster

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:

12/9/2021 4:12:00 PM

Brianna Teel, Project Manager
(432)704-5440

brianna.teel@eurofinset.com

Designee for

Jessica Kramer, Project Manager
(432)704-5440

jessica.kramer@eurofinset.com

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

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

Client: NT Global
Project/Site: Cosmo Booster

Laboratory Job ID: 880-8956-1
SDG: Lea Co, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	41
QC Sample Results	44
QC Association Summary	60
Lab Chronicle	72
Certification Summary	87
Method Summary	88
Sample Summary	89
Chain of Custody	90
Receipt Checklists	95

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

Definitions/Glossary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Job ID: 880-8956-1

Laboratory: Eurofins Xenco, Midland

Narrative

**Job Narrative
880-8956-1**

Receipt

The samples were received on 12/6/2021 8:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (1-1.5') (880-8956-5), S-4 (0-1') (880-8956-11) and S-5 (0-1') (880-8956-15). 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 for preparation batch 880-14077 and analytical batch 880-14140 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14044 and analytical batch 880-14300 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-1

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/21 09:08	12/06/21 14:10	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		12/06/21 09:08	12/06/21 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/06/21 09:08	12/06/21 14:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130	12/06/21 09:08	12/06/21 14:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.1		49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/07/21 23:12	1
Diesel Range Organics (Over C10-C28)	68.1		49.9		mg/Kg		12/07/21 08:55	12/07/21 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/07/21 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/07/21 08:55	12/07/21 23:12	1
o-Terphenyl	105		70 - 130	12/07/21 08:55	12/07/21 23:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	526		4.97		mg/Kg			12/08/21 19:21	1

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-8956-2

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 14:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/06/21 09:08	12/06/21 14:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:08	12/06/21 14:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-8956-2

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 00:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 00:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/07/21 08:55	12/08/21 00:20	1
o-Terphenyl	105		70 - 130				12/07/21 08:55	12/08/21 00:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	641		5.00		mg/Kg			12/08/21 19:54	1

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-8956-3

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/06/21 09:08	12/06/21 15:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/06/21 09:08	12/06/21 15:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 00:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-8956-3

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/07/21 08:55	12/08/21 00:43	1
o-Terphenyl	95		70 - 130				12/07/21 08:55	12/08/21 00:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.00		mg/Kg			12/08/21 20:03	1

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

Lab Sample ID: 880-8956-4

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/06/21 09:08	12/06/21 15:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/06/21 09:08	12/06/21 15:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/07/21 08:55	12/08/21 01:06	1
o-Terphenyl	93		70 - 130				12/07/21 08:55	12/08/21 01:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		5.03		mg/Kg			12/09/21 08:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-8956-5

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 15:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/06/21 09:08	12/06/21 15:54	1
1,4-Difluorobenzene (Surr)	128		70 - 130	12/06/21 09:08	12/06/21 15:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 01:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 01:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/07/21 08:55	12/08/21 01:29	1
o-Terphenyl	100		70 - 130	12/07/21 08:55	12/08/21 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		5.04		mg/Kg			12/09/21 08:34	1

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-8956-6

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/06/21 09:08	12/06/21 16:20	1
1,4-Difluorobenzene (Surr)	117		70 - 130	12/06/21 09:08	12/06/21 16:20	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-8956-6

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/07/21 08:55	12/08/21 01:53	1
o-Terphenyl	82		70 - 130				12/07/21 08:55	12/08/21 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.1		4.98		mg/Kg			12/09/21 09:00	1

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/06/21 09:08	12/06/21 16:46	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/06/21 09:08	12/06/21 16:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 02:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 02:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/07/21 08:55	12/08/21 02:16	1
o-Terphenyl	88		70 - 130				12/07/21 08:55	12/08/21 02:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		5.04		mg/Kg			12/09/21 09:32	1

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

Lab Sample ID: 880-8956-8

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/06/21 09:08	12/06/21 17:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/06/21 09:08	12/06/21 17:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/07/21 08:55	12/08/21 02:39	1
o-Terphenyl	95		70 - 130				12/07/21 08:55	12/08/21 02:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	532		4.99		mg/Kg			12/09/21 09:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-3 (1-1.5')

Lab Sample ID: 880-8956-9

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 17:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/06/21 09:08	12/06/21 17:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/06/21 09:08	12/06/21 17:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	12/07/21 08:55	12/08/21 03:03	1
o-Terphenyl	78		70 - 130	12/07/21 08:55	12/08/21 03:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4470		25.0		mg/Kg			12/09/21 09:54	5

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-8956-10

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 18:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/06/21 09:08	12/06/21 18:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/06/21 09:08	12/06/21 18:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-8956-10

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/07/21 08:55	12/08/21 03:26	1
o-Terphenyl	78		70 - 130				12/07/21 08:55	12/08/21 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1320		4.95		mg/Kg			12/09/21 10:05	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-8956-11

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/06/21 09:08	12/06/21 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				12/06/21 09:08	12/06/21 19:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/06/21 09:08	12/06/21 19:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-8956-11

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 04:13	1
o-Terphenyl	91		70 - 130				12/07/21 08:55	12/08/21 04:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.5		5.02		mg/Kg			12/09/21 10:38	1

Client Sample ID: S-4 (1-1.5')

Lab Sample ID: 880-8956-12

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/06/21 09:08	12/06/21 20:17	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/06/21 09:08	12/06/21 20:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/07/21 08:55	12/08/21 04:36	1
o-Terphenyl	89		70 - 130				12/07/21 08:55	12/08/21 04:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.09		4.97		mg/Kg			12/09/21 10:49	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (2-2.5')

Lab Sample ID: 880-8956-13

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 20:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/06/21 09:08	12/06/21 20:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/06/21 09:08	12/06/21 20:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 05:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 05:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	12/07/21 08:55	12/08/21 05:00	1
o-Terphenyl	90		70 - 130	12/07/21 08:55	12/08/21 05:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.33		4.95		mg/Kg			12/09/21 11:00	1

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 21:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:08	12/06/21 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/06/21 09:08	12/06/21 21:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/06/21 09:08	12/06/21 21:11	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	401		50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/08/21 06:54	1
Diesel Range Organics (Over C10-C28)	401		50.0		mg/Kg		12/07/21 13:23	12/08/21 06:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/08/21 06:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/07/21 13:23	12/08/21 06:54	1
o-Terphenyl	89		70 - 130				12/07/21 13:23	12/08/21 06:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.77		4.99		mg/Kg			12/09/21 11:11	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-8956-15

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130				12/06/21 09:08	12/06/21 21:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/06/21 09:08	12/06/21 21:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-8956-15

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 05:24	1
o-Terphenyl	88		70 - 130				12/07/21 08:55	12/08/21 05:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		5.00		mg/Kg			12/09/21 11:21	1

Client Sample ID: S-5 (1-1.5')

Lab Sample ID: 880-8956-16

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:08	12/06/21 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/06/21 09:08	12/06/21 22:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/06/21 09:08	12/06/21 22:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 05:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 05:46	1
o-Terphenyl	91		70 - 130				12/07/21 08:55	12/08/21 05:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.7		4.96		mg/Kg			12/09/21 11:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-8956-17

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:32	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/06/21 09:08	12/06/21 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/06/21 09:08	12/06/21 22:32	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:08	12/06/21 22:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 06:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 06:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	12/07/21 08:55	12/08/21 06:08	1
o-Terphenyl	86		70 - 130	12/07/21 08:55	12/08/21 06:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.5		5.04		mg/Kg			12/09/21 12:05	1

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-8956-18

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:08	12/06/21 22:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/06/21 09:08	12/06/21 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/06/21 09:08	12/06/21 22:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/06/21 09:08	12/06/21 22:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-8956-18

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 06:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 06:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 08:55	12/08/21 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/07/21 08:55	12/08/21 06:31	1
o-Terphenyl	85		70 - 130				12/07/21 08:55	12/08/21 06:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		4.98		mg/Kg			12/09/21 12:16	1

Client Sample ID: S-5 (4-4.5')

Lab Sample ID: 880-8956-19

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:08	12/06/21 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/06/21 09:08	12/06/21 23:24	1
1,4-Difluorobenzene (Surr)	116		70 - 130				12/06/21 09:08	12/06/21 23:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	493		49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	493		49.9		mg/Kg		12/07/21 13:23	12/08/21 07:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 13:23	12/08/21 07:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (4-4.5')

Lab Sample ID: 880-8956-19

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 13:23	12/08/21 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/07/21 13:23	12/08/21 07:17	1
o-Terphenyl	95		70 - 130				12/07/21 13:23	12/08/21 07:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	524		4.95		mg/Kg			12/09/21 12:49	1

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-8956-20

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:08	12/06/21 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				12/06/21 09:08	12/06/21 23:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/06/21 09:08	12/06/21 23:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 06:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 06:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 06:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/07/21 08:55	12/08/21 06:54	1
o-Terphenyl	91		70 - 130				12/07/21 08:55	12/08/21 06:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2640		25.1		mg/Kg			12/09/21 13:00	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1-1.5')

Lab Sample ID: 880-8956-21

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		12/07/21 07:30	12/07/21 11:16	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		12/07/21 07:30	12/07/21 11:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/07/21 07:30	12/07/21 11:16	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/07/21 07:30	12/07/21 11:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 07:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 07:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/08/21 07:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/07/21 08:55	12/08/21 07:17	1
o-Terphenyl	92		70 - 130	12/07/21 08:55	12/08/21 07:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		4.97		mg/Kg			12/09/21 13:11	1

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-8956-22

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/07/21 07:30	12/07/21 11:36	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/07/21 07:30	12/07/21 11:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-8956-22

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 07:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 07:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 08:55	12/08/21 07:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/07/21 08:55	12/08/21 07:40	1
o-Terphenyl	84		70 - 130				12/07/21 08:55	12/08/21 07:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	618		5.00		mg/Kg			12/09/21 13:22	1

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-8956-23

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Ethylbenzene	0.00204		0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/07/21 07:30	12/07/21 11:57	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/07/21 07:30	12/07/21 11:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 21:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-8956-23

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/07/21 09:05	12/08/21 21:31	1
o-Terphenyl	121		70 - 130				12/07/21 09:05	12/08/21 21:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	261		5.00		mg/Kg			12/09/21 13:33	1

Client Sample ID: S-6 (4-4.5')

Lab Sample ID: 880-8956-24

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/07/21 07:30	12/07/21 12:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/07/21 07:30	12/07/21 12:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 22:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/07/21 09:05	12/08/21 22:30	1
o-Terphenyl	117		70 - 130				12/07/21 09:05	12/08/21 22:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.03		mg/Kg			12/09/21 13:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-8956-25

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 15:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/07/21 07:30	12/07/21 15:42	1
1,4-Difluorobenzene (Surr)	114		70 - 130	12/07/21 07:30	12/07/21 15:42	1

Method: 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			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 22:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 22:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/07/21 09:05	12/08/21 22:50	1
o-Terphenyl	117		70 - 130	12/07/21 09:05	12/08/21 22:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	701		5.04		mg/Kg			12/09/21 13:54	1

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-8956-26

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 16:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/07/21 07:30	12/07/21 16:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/07/21 07:30	12/07/21 16:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-8956-26

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/07/21 09:05	12/08/21 23:09	1
o-Terphenyl	119		70 - 130				12/07/21 09:05	12/08/21 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.98		mg/Kg			12/08/21 21:27	1

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/07/21 07:30	12/07/21 16:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/07/21 07:30	12/07/21 16:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/08/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/08/21 23:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/08/21 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/07/21 09:05	12/08/21 23:29	1
o-Terphenyl	106		70 - 130				12/07/21 09:05	12/08/21 23:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	448		5.04		mg/Kg			12/08/21 21:52	1

Client Sample ID: S-7 (3-3.5')

Lab Sample ID: 880-8956-28

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/07/21 07:30	12/07/21 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/07/21 07:30	12/07/21 16:43	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/07/21 07:30	12/07/21 16:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/08/21 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/07/21 09:05	12/08/21 23:48	1
o-Terphenyl	121		70 - 130				12/07/21 09:05	12/08/21 23:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		4.99		mg/Kg			12/08/21 22:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-8956-29

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0127		0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
Ethylbenzene	0.00575		0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
m-Xylene & p-Xylene	0.00518		0.00403		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
o-Xylene	0.0298		0.00202		mg/Kg		12/07/21 07:30	12/07/21 17:03	1
Xylenes, Total	0.0350		0.00403		mg/Kg		12/07/21 07:30	12/07/21 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/07/21 07:30	12/07/21 17:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/07/21 07:30	12/07/21 17:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0534		0.00403		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 00:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 00:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/07/21 09:05	12/09/21 00:08	1
o-Terphenyl	106		70 - 130				12/07/21 09:05	12/09/21 00:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		5.00		mg/Kg			12/08/21 22:09	1

Client Sample ID: S-8 (1-1.5')

Lab Sample ID: 880-8956-30

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 17:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/07/21 07:30	12/07/21 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/07/21 07:30	12/07/21 17:24	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/07/21 07:30	12/07/21 17:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (1-1.5')

Lab Sample ID: 880-8956-30

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/07/21 09:05	12/09/21 00:28	1
o-Terphenyl	113		70 - 130				12/07/21 09:05	12/09/21 00:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		4.95		mg/Kg			12/08/21 22:17	1

Client Sample ID: S-8 (2-2.5')

Lab Sample ID: 880-8956-31

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/07/21 07:30	12/07/21 17:44	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/07/21 07:30	12/07/21 17:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (2-2.5')

Lab Sample ID: 880-8956-31

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/07/21 09:05	12/09/21 00:48	1
o-Terphenyl	111		70 - 130				12/07/21 09:05	12/09/21 00:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.02		mg/Kg			12/08/21 22:42	1

Client Sample ID: S-8 (3-3.5')

Lab Sample ID: 880-8956-32

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/21 07:30	12/07/21 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/07/21 07:30	12/07/21 18:04	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/07/21 07:30	12/07/21 18:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/07/21 09:05	12/09/21 01:08	1
o-Terphenyl	120		70 - 130				12/07/21 09:05	12/09/21 01:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.97		mg/Kg			12/08/21 22:50	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-8956-33

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 18:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	12/07/21 07:30	12/07/21 18:25	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/07/21 07:30	12/07/21 18:25	1

Method: 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			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 01:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 01:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/07/21 09:05	12/09/21 01:48	1
o-Terphenyl	110		70 - 130	12/07/21 09:05	12/09/21 01:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2430		24.8		mg/Kg			12/08/21 22:59	5

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/21 07:30	12/07/21 18:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/21 07:30	12/07/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/07/21 07:30	12/07/21 18:45	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/07/21 07:30	12/07/21 18:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/21 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 02:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 02:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/07/21 09:05	12/09/21 02:07	1
o-Terphenyl	104		70 - 130				12/07/21 09:05	12/09/21 02:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	568		4.99		mg/Kg			12/08/21 23:07	1

Client Sample ID: S-9 (2-2.5')

Lab Sample ID: 880-8956-35

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:17	12/07/21 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/06/21 09:17	12/07/21 11:22	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/06/21 09:17	12/07/21 11:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 02:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 02:27	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (2-2.5')

Lab Sample ID: 880-8956-35

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/07/21 09:05	12/09/21 02:27	1
o-Terphenyl	108		70 - 130				12/07/21 09:05	12/09/21 02:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	382		5.00		mg/Kg			12/08/21 23:16	1

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-8956-36

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
m-Xylene & p-Xylene	0.0122		0.00398		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
o-Xylene	0.00898		0.00199		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Xylenes, Total	0.0212		0.00398		mg/Kg		12/06/21 09:17	12/07/21 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/06/21 09:17	12/07/21 11:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/06/21 09:17	12/07/21 11:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0212		0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	547		50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 02:47	1
Diesel Range Organics (Over C10-C28)	494		50.0		mg/Kg		12/07/21 09:05	12/09/21 02:47	1
Oil Range Organics (Over C28-C36)	52.6		50.0		mg/Kg		12/07/21 09:05	12/09/21 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/07/21 09:05	12/09/21 02:47	1
o-Terphenyl	106		70 - 130				12/07/21 09:05	12/09/21 02:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3660		24.8		mg/Kg			12/08/21 23:24	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-8956-37

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/06/21 09:17	12/07/21 12:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/06/21 09:17	12/07/21 12:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 03:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 03:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/07/21 09:05	12/09/21 03:06	1
o-Terphenyl	114		70 - 130	12/07/21 09:05	12/09/21 03:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		25.2		mg/Kg			12/08/21 23:49	5

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-8956-38

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/21 09:17	12/07/21 12:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/21 09:17	12/07/21 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/06/21 09:17	12/07/21 12:23	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/06/21 09:17	12/07/21 12:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-8956-38

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/07/21 09:05	12/09/21 03:26	1
o-Terphenyl	114		70 - 130				12/07/21 09:05	12/09/21 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	964		4.98		mg/Kg			12/08/21 23:57	1

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-8956-39

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:17	12/07/21 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				12/06/21 09:17	12/07/21 12:43	1
1,4-Difluorobenzene (Surr)	81		70 - 130				12/06/21 09:17	12/07/21 12:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 03:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 03:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-8956-39

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:05	12/09/21 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/07/21 09:05	12/09/21 03:46	1
o-Terphenyl	120		70 - 130				12/07/21 09:05	12/09/21 03:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.8		4.95		mg/Kg			12/09/21 00:22	1

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-8956-40

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 17:00	12/07/21 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/06/21 17:00	12/07/21 13:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/06/21 17:00	12/07/21 13:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/21 09:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/07/21 09:05	12/09/21 04:06	1
o-Terphenyl	110		70 - 130				12/07/21 09:05	12/09/21 04:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		5.01		mg/Kg			12/09/21 00:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1-1.5')

Lab Sample ID: 880-8956-41

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/21 09:23	12/07/21 02:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/21 09:23	12/07/21 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/06/21 09:23	12/07/21 02:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/06/21 09:23	12/07/21 02:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/09/21 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	12/07/21 09:05	12/09/21 04:25	1
o-Terphenyl	104		70 - 130	12/07/21 09:05	12/09/21 04:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.97		mg/Kg			12/09/21 00:39	1

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-8956-42

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 09:23	12/07/21 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/06/21 09:23	12/07/21 02:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:23	12/07/21 02:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-8956-42

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 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			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 04:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 04:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:05	12/09/21 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/07/21 09:05	12/09/21 04:45	1
o-Terphenyl	115		70 - 130				12/07/21 09:05	12/09/21 04:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		5.00		mg/Kg			12/09/21 00:48	1

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-8956-43

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/21 09:23	12/07/21 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/06/21 09:23	12/07/21 02:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/06/21 09:23	12/07/21 02:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 21:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-8956-43

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/07/21 09:08	12/08/21 21:31	1
o-Terphenyl	106		70 - 130				12/07/21 09:08	12/08/21 21:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		5.00		mg/Kg			12/09/21 00:56	1

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-8956-44

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/06/21 09:23	12/07/21 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/06/21 09:23	12/07/21 03:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/06/21 09:23	12/07/21 03:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 22:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 22:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				12/07/21 09:08	12/08/21 22:30	1
o-Terphenyl	81		70 - 130				12/07/21 09:08	12/08/21 22:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3160		25.2		mg/Kg			12/09/21 01:04	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-8956-45

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 03:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/06/21 09:23	12/07/21 03:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/06/21 09:23	12/07/21 03:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 22:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 22:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	12/07/21 09:08	12/08/21 22:50	1
o-Terphenyl	101		70 - 130	12/07/21 09:08	12/08/21 22:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	598		5.04		mg/Kg			12/09/21 01:13	1

Client Sample ID: S-12 (2-2.5')

Lab Sample ID: 880-8956-46

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:23	12/07/21 03:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/21 09:23	12/07/21 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	12/06/21 09:23	12/07/21 03:57	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/06/21 09:23	12/07/21 03:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (2-2.5')

Lab Sample ID: 880-8956-46

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 23:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/07/21 09:08	12/08/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/07/21 09:08	12/08/21 23:09	1
o-Terphenyl	96		70 - 130				12/07/21 09:08	12/08/21 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2950		24.8		mg/Kg			12/08/21 05:25	5

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-8956-47

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/21 09:23	12/07/21 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/06/21 09:23	12/07/21 04:18	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/06/21 09:23	12/07/21 04:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/09/21 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/09/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/07/21 09:08	12/08/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/07/21 09:08	12/08/21 23:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-8956-47

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/07/21 09:08	12/08/21 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	12/07/21 09:08	12/08/21 23:29	1
o-Terphenyl	99		70 - 130	12/07/21 09:08	12/08/21 23:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3120		25.0		mg/Kg			12/08/21 05:37	5

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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)
880-8955-A-1-A MS	Matrix Spike	101	101
880-8955-A-1-B MSD	Matrix Spike Duplicate	110	102
880-8956-1	S-1 (0-1')	91	77
880-8956-1 MS	S-1 (0-1')	114	96
880-8956-1 MSD	S-1 (0-1')	4 S1-	10 S1-
880-8956-2	S-1 (1-1.5')	101	105
880-8956-3	S-1 (2-2.5')	102	109
880-8956-4	S-2 (0-1')	114	102
880-8956-5	S-2 (1-1.5')	139 S1+	128
880-8956-6	S-2 (2-2.5')	126	117
880-8956-7	S-2 (3-3.5')	121	113
880-8956-8	S-3 (0-1')	130	104
880-8956-9	S-3 (1-1.5')	125	99
880-8956-10	S-3 (2-2.5')	122	104
880-8956-11	S-4 (0-1')	139 S1+	90
880-8956-12	S-4 (1-1.5')	128	108
880-8956-13	S-4 (2-2.5')	128	102
880-8956-14	S-4 (3-3.5')	124	98
880-8956-15	S-5 (0-1')	191 S1+	89
880-8956-16	S-5 (1-1.5')	116	107
880-8956-17	S-5 (2-2.5')	121	105
880-8956-18	S-5 (3-3.5')	118	101
880-8956-19	S-5 (4-4.5')	131 S1+	116
880-8956-20	S-6 (0-1')	68 S1-	104
880-8956-21	S-6 (1-1.5')	120	106
880-8956-21 MS	S-6 (1-1.5')	109	105
880-8956-21 MSD	S-6 (1-1.5')	114	102
880-8956-22	S-6 (2-2.5')	108	108
880-8956-23	S-6 (3-3.5')	108	91
880-8956-24	S-6 (4-4.5')	105	103
880-8956-25	S-7 (0-1')	127	114
880-8956-26	S-7 (1-1.5')	121	105
880-8956-27	S-7 (2-2.5')	126	109
880-8956-28	S-7 (3-3.5')	122	108
880-8956-29	S-8 (0-1')	121	99
880-8956-30	S-8 (1-1.5')	125	93
880-8956-31	S-8 (2-2.5')	123	107
880-8956-32	S-8 (3-3.5')	124	107
880-8956-33	S-9 (0-1')	135 S1+	112
880-8956-34	S-9 (1-1.5')	120	89
880-8956-35	S-9 (2-2.5')	116	95
880-8956-35 MS	S-9 (2-2.5')	117	102
880-8956-35 MSD	S-9 (2-2.5')	105	93
880-8956-36	S-10 (0-1')	107	96
880-8956-37	S-10 (1-1.5')	116	100
880-8956-38	S-10 (2-2.5')	117	103
880-8956-39	S-10 (3-3.5')	91	81
880-8956-40	S-11 (0-1')	117	99
880-8956-41	S-11 (1-1.5')	113	111

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Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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)
880-8956-42	S-11 (2-2.5')	106	105
880-8956-43	S-11 (3-3.5')	113	102
880-8956-44	S-12 (0-1')	114	103
880-8956-45	S-12 (1-1.5')	120	105
880-8956-46	S-12 (2-2.5')	131 S1+	81
880-8956-47	S-12 (3-3.5')	121	105
LCS 880-13944/1-A	Lab Control Sample	106	104
LCS 880-13947/1-A	Lab Control Sample	111	101
LCS 880-13948/1-A	Lab Control Sample	102	100
LCS 880-14077/1-A	Lab Control Sample	101	101
LCSD 880-13944/2-A	Lab Control Sample Dup	103	100
LCSD 880-13947/2-A	Lab Control Sample Dup	112	97
LCSD 880-13948/2-A	Lab Control Sample Dup	105	100
LCSD 880-14077/2-A	Lab Control Sample Dup	100	101
MB 880-13933/5-A	Method Blank	121	97
MB 880-13944/5-A	Method Blank	61 S1-	97
MB 880-13947/5-A	Method Blank	126	107
MB 880-14077/5-A	Method Blank	113	103
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)
880-8956-1	S-1 (0-1')	107	105
880-8956-1 MS	S-1 (0-1')	85	80
880-8956-1 MSD	S-1 (0-1')	84	80
880-8956-2	S-1 (1-1.5')	107	105
880-8956-3	S-1 (2-2.5')	95	95
880-8956-4	S-2 (0-1')	92	93
880-8956-5	S-2 (1-1.5')	107	100
880-8956-6	S-2 (2-2.5')	89	82
880-8956-7	S-2 (3-3.5')	87	88
880-8956-8	S-3 (0-1')	94	95
880-8956-9	S-3 (1-1.5')	84	78
880-8956-10	S-3 (2-2.5')	85	78
880-8956-11	S-4 (0-1')	90	91
880-8956-12	S-4 (1-1.5')	96	89
880-8956-13	S-4 (2-2.5')	92	90
880-8956-14	S-4 (3-3.5')	88	89
880-8956-15	S-5 (0-1')	90	88
880-8956-16	S-5 (1-1.5')	90	91
880-8956-17	S-5 (2-2.5')	85	86
880-8956-18	S-5 (3-3.5')	88	85
880-8956-19	S-5 (4-4.5')	91	95
880-8956-20	S-6 (0-1')	90	91

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
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)				
880-8956-21	S-6 (1-1.5')	90	92				
880-8956-22	S-6 (2-2.5')	87	84				
880-8956-23	S-6 (3-3.5')	109	121				
880-8956-23 MS	S-6 (3-3.5')	111	107				
880-8956-23 MSD	S-6 (3-3.5')	111	103				
880-8956-24	S-6 (4-4.5')	107	117				
880-8956-25	S-7 (0-1')	108	117				
880-8956-26	S-7 (1-1.5')	111	119				
880-8956-27	S-7 (2-2.5')	97	106				
880-8956-28	S-7 (3-3.5')	110	121				
880-8956-29	S-8 (0-1')	99	106				
880-8956-30	S-8 (1-1.5')	106	113				
880-8956-31	S-8 (2-2.5')	103	111				
880-8956-32	S-8 (3-3.5')	109	120				
880-8956-33	S-9 (0-1')	101	110				
880-8956-34	S-9 (1-1.5')	94	104				
880-8956-35	S-9 (2-2.5')	100	108				
880-8956-36	S-10 (0-1')	105	106				
880-8956-37	S-10 (1-1.5')	102	114				
880-8956-38	S-10 (2-2.5')	105	114				
880-8956-39	S-10 (3-3.5')	108	120				
880-8956-40	S-11 (0-1')	101	110				
880-8956-41	S-11 (1-1.5')	93	104				
880-8956-42	S-11 (2-2.5')	104	115				
880-8956-43	S-11 (3-3.5')	100	106				
880-8956-43 MS	S-11 (3-3.5')	101	99				
880-8956-43 MSD	S-11 (3-3.5')	92	87				
880-8956-44	S-12 (0-1')	75	81				
880-8956-45	S-12 (1-1.5')	93	101				
880-8956-46	S-12 (2-2.5')	86	96				
880-8956-47	S-12 (3-3.5')	89	99				
890-1666-A-121-F MS	Matrix Spike	95	89				
890-1666-A-121-G MSD	Matrix Spike Duplicate	92	88				
LCS 880-14145/2-A	Lab Control Sample	85	81				
LCS 880-14147/2-A	Lab Control Sample	91	88				
LCS 880-14148/2-A	Lab Control Sample	93	90				
LCS 880-14199/2-A	Lab Control Sample	102	108				
LCSD 880-14145/3-A	Lab Control Sample Dup	126	122				
LCSD 880-14147/3-A	Lab Control Sample Dup	124	118				
LCSD 880-14148/3-A	Lab Control Sample Dup	97	96				
LCSD 880-14199/3-A	Lab Control Sample Dup	100	106				
MB 880-14145/1-A	Method Blank	95	97				
MB 880-14147/1-A	Method Blank	119	126				
MB 880-14148/1-A	Method Blank	91	98				
MB 880-14199/1-A	Method Blank	98	119				

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13933/5-A

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 07:34	12/06/21 10:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 07:34	12/06/21 10:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/06/21 07:34	12/06/21 10:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/06/21 07:34	12/06/21 10:37	1

Lab Sample ID: MB 880-13944/5-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:08	12/06/21 13:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 09:08	12/06/21 13:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	12/06/21 09:08	12/06/21 13:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/06/21 09:08	12/06/21 13:43	1

Lab Sample ID: LCS 880-13944/1-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09088		mg/Kg		91	70 - 130
Toluene	0.100	0.08085		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08715		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1905		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09201		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-13944/2-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09100		mg/Kg		91	70 - 130	0	35

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-13944/2-A

Matrix: Solid

Analysis Batch: 13998

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08571		mg/Kg		86	70 - 130	6	35
Ethylbenzene	0.100	0.08969		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09383		mg/Kg		94	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-8956-1 MS

Matrix: Solid

Analysis Batch: 13998

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

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0998	0.08005		mg/Kg		80	70 - 130
Toluene	<0.00199	U F2 F1	0.0998	0.07714		mg/Kg		77	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.08322		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1788		mg/Kg		90	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0998	0.08297		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-8956-1 MSD

Matrix: Solid

Analysis Batch: 13998

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

Prep Type: Total/NA

Prep Batch: 13944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0994	0.01342	F2 F1	mg/Kg		13	70 - 130	143	35
Toluene	<0.00199	U F2 F1	0.0994	0.006093	F2 F1	mg/Kg		6	70 - 130	171	35
Ethylbenzene	<0.00199	U F2 F1	0.0994	0.006594	F2 F1	mg/Kg		7	70 - 130	171	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.01542	F2 F1	mg/Kg		8	70 - 130	168	35
o-Xylene	<0.00199	U F2 F1	0.0994	0.007479	F2 F1	mg/Kg		7	70 - 130	167	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	4	S1-	70 - 130
1,4-Difluorobenzene (Surr)	10	S1-	70 - 130

Lab Sample ID: MB 880-13947/5-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/21 09:17	12/07/21 10:53	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-13947/5-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13947

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/21 09:17	12/07/21 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/21 09:17	12/07/21 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/06/21 09:17	12/07/21 10:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/06/21 09:17	12/07/21 10:53	1

Lab Sample ID: LCS 880-13947/1-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09027		mg/Kg		90	70 - 130
Toluene	0.100	0.09554		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09657		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1876		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09185		mg/Kg		92	70 - 130

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

Lab Sample ID: LCSD 880-13947/2-A

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08600		mg/Kg		86	70 - 130	5	35
Toluene	0.100	0.08939		mg/Kg		89	70 - 130	7	35
Ethylbenzene	0.100	0.09479		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130	3	35
o-Xylene	0.100	0.08907		mg/Kg		89	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-8956-35 MS

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: S-9 (2-2.5')

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0998	0.1043		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.0998	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.1125		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2200		mg/Kg		110	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1050		mg/Kg		105	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-35 MS

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: S-9 (2-2.5')

Prep Type: Total/NA

Prep Batch: 13947

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-8956-35 MSD

Matrix: Solid

Analysis Batch: 14141

Client Sample ID: S-9 (2-2.5')

Prep Type: Total/NA

Prep Batch: 13947

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.09627		mg/Kg		96	70 - 130	8	35
Toluene	<0.00200	U	0.0994	0.1020		mg/Kg		102	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0994	0.1022		mg/Kg		103	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2005		mg/Kg		101	70 - 130	9	35
o-Xylene	<0.00200	U	0.0994	0.09890		mg/Kg		99	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCS 880-13948/1-A

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08416		mg/Kg		84	70 - 130
Toluene	0.100	0.08049		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.08082		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1690		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08536		mg/Kg		85	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-13948/2-A

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08677		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.08258		mg/Kg		83	70 - 130	3	35
Ethylbenzene	0.100	0.08339		mg/Kg		83	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1750		mg/Kg		88	70 - 130	4	35
o-Xylene	0.100	0.08373		mg/Kg		84	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8955-A-1-A MS

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.101	0.08164		mg/Kg		81	70 - 130
Toluene	<0.00202	U	0.101	0.07556		mg/Kg		75	70 - 130
Ethylbenzene	<0.00202	U F1	0.101	0.07171		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1468		mg/Kg		73	70 - 130
o-Xylene	<0.00202	U	0.101	0.07221		mg/Kg		72	70 - 130

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

Lab Sample ID: 880-8955-A-1-B MSD

Matrix: Solid

Analysis Batch: 13934

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13948

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.07802		mg/Kg		78	70 - 130	5	35
Toluene	<0.00202	U	0.100	0.07248		mg/Kg		72	70 - 130	4	35
Ethylbenzene	<0.00202	U F1	0.100	0.06841	F1	mg/Kg		68	70 - 130	5	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1401		mg/Kg		70	70 - 130	5	35
o-Xylene	<0.00202	U	0.100	0.07057		mg/Kg		70	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-14077/5-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/21 07:30	12/07/21 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/21 07:30	12/07/21 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/07/21 07:30	12/07/21 10:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/07/21 07:30	12/07/21 10:54	1

Lab Sample ID: LCS 880-14077/1-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08270		mg/Kg		83	70 - 130
Toluene	0.100	0.07943		mg/Kg		79	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-14077/1-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.08110		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1682		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08253		mg/Kg		83	70 - 130

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

Lab Sample ID: LCSD 880-14077/2-A

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08514		mg/Kg		85	70 - 130	3	35
Toluene	0.100	0.08130		mg/Kg		81	70 - 130	2	35
Ethylbenzene	0.100	0.08125		mg/Kg		81	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1685		mg/Kg		84	70 - 130	0	35
o-Xylene	0.100	0.08435		mg/Kg		84	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-8956-21 MS

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: S-6 (1-1.5')

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.07414		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1	0.0998	0.07156		mg/Kg		72	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.07533		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1525		mg/Kg		76	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.07530		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-8956-21 MSD

Matrix: Solid

Analysis Batch: 14140

Client Sample ID: S-6 (1-1.5')

Prep Type: Total/NA

Prep Batch: 14077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0994	0.06291	F1	mg/Kg		63	70 - 130	16	35
Toluene	<0.00200	U F1	0.0994	0.06324	F1	mg/Kg		64	70 - 130	12	35
Ethylbenzene	<0.00200	U F1	0.0994	0.06141	F1	mg/Kg		62	70 - 130	20	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1364	F1	mg/Kg		69	70 - 130	11	35
o-Xylene	<0.00200	U F1	0.0994	0.06874	F1	mg/Kg		69	70 - 130	9	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-14145/1-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14145

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		12/07/21 08:55	12/07/21 22:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/07/21 22:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 08:55	12/07/21 22:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/07/21 08:55	12/07/21 22:04	1
o-Terphenyl	97		70 - 130				12/07/21 08:55	12/07/21 22:04	1

Lab Sample ID: LCS 880-14145/2-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	847.9		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	85		70 - 130				
o-Terphenyl	81		70 - 130				

Lab Sample ID: LCSD 880-14145/3-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	889.7		mg/Kg		89	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	122		70 - 130						

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-1 MS

Matrix: Solid

Analysis Batch: 14176

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

Prep Type: Total/NA

Prep Batch: 14145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	887.2		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	68.1		997	1055		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 880-8956-1 MSD

Matrix: Solid

Analysis Batch: 14176

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

Prep Type: Total/NA

Prep Batch: 14145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	909.9		mg/Kg		87	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	68.1		999	1059		mg/Kg		99	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	80		70 - 130								

Lab Sample ID: MB 880-14147/1-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14147

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		12/07/21 09:05	12/08/21 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 20:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:05	12/08/21 20:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				12/07/21 09:05	12/08/21 20:33	1
o-Terphenyl	126		70 - 130				12/07/21 09:05	12/08/21 20:33	1

Lab Sample ID: LCS 880-14147/2-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	957.8		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-14147/2-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14147

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-14147/3-A

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1192		mg/Kg		119	70 - 130	17	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 880-8956-23 MS

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: S-6 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14147

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	<49.9	U	997	1159		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1236		mg/Kg		122	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-8956-23 MSD

Matrix: Solid

Analysis Batch: 14242

Client Sample ID: S-6 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1152		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1216		mg/Kg		120	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	103		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-14148/1-A

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14148

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		12/07/21 09:08	12/08/21 20:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 20:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 09:08	12/08/21 20:33	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/07/21 09:08	12/08/21 20:33	1
o-Terphenyl	98		70 - 130				12/07/21 09:08	12/08/21 20:33	1

Lab Sample ID: LCS 880-14148/2-A

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	978.2		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.0		mg/Kg		93	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	93		70 - 130				
o-Terphenyl	90		70 - 130				

Lab Sample ID: LCSD 880-14148/3-A

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	814.5		mg/Kg		81	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	821.2		mg/Kg		82	70 - 130	12	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: 880-8956-43 MS

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: S-11 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1162		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1078		mg/Kg		106	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-43 MS

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: S-11 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14148

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-8956-43 MSD

Matrix: Solid

Analysis Batch: 14244

Client Sample ID: S-11 (3-3.5')

Prep Type: Total/NA

Prep Batch: 14148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1118		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	971.9		mg/Kg		95	70 - 130	10	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: MB 880-14199/1-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14199

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		12/07/21 13:23	12/07/21 22:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/07/21 22:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/07/21 13:23	12/07/21 22:04	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				12/07/21 13:23	12/07/21 22:04	1
1-Chlorooctane	98		70 - 130				12/07/21 13:23	12/07/21 22:04	1
o-Terphenyl	119		70 - 130				12/07/21 13:23	12/07/21 22:04	1

Lab Sample ID: LCS 880-14199/2-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	937.9		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	918.5		mg/Kg		92	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	108		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-14199/3-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	921.5		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	906.6		mg/Kg		91	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: 890-1666-A-121-F MS

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 14199

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	<49.9	U	997	945.6		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1211		mg/Kg		121	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	89		70 - 130								

Lab Sample ID: 890-1666-A-121-G MSD

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	966.4		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1204		mg/Kg		121	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14039/1-A

Matrix: Solid

Analysis Batch: 14239

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			12/08/21 02:38	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-14039/2-A

Matrix: Solid

Analysis Batch: 14239

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	236.9		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-14039/3-A

Matrix: Solid

Analysis Batch: 14239

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	235.8		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-8816-A-1-E MS

Matrix: Solid

Analysis Batch: 14239

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1680	F1	1250	3055	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-8816-A-1-F MSD

Matrix: Solid

Analysis Batch: 14239

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1680	F1	1250	2875		mg/Kg		96	90 - 110	6	20

Lab Sample ID: MB 880-14044/1-A

Matrix: Solid

Analysis Batch: 14300

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			12/08/21 17:07	1

Lab Sample ID: LCS 880-14044/2-A

Matrix: Solid

Analysis Batch: 14300

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	272.0		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-14044/3-A

Matrix: Solid

Analysis Batch: 14300

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	272.4		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-8955-A-1-G MS

Matrix: Solid

Analysis Batch: 14300

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.51	F1	248	319.8	F1	mg/Kg		126	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8955-A-1-H MSD

Matrix: Solid

Analysis Batch: 14300

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.51	F1	248	300.2	F1	mg/Kg		118	90 - 110	6	20

Lab Sample ID: 880-8955-A-6-F MS

Matrix: Solid

Analysis Batch: 14300

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	<4.96	U F1	248	287.5	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 880-8955-A-6-G MSD

Matrix: Solid

Analysis Batch: 14300

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.96	U F1	248	283.8	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: MB 880-14045/1-A

Matrix: Solid

Analysis Batch: 14301

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			12/09/21 08:24	1

Lab Sample ID: LCS 880-14045/2-A

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	253.2		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-14045/3-A

Matrix: Solid

Analysis Batch: 14301

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	260.8		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 880-8956-6 MS

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-2 (2-2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	79.1		249	335.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-8956-6 MSD

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-2 (2-2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	79.1		249	328.7		mg/Kg		100	90 - 110	2	20

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8956-16 MS

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-5 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	58.7		248	310.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-8956-16 MSD

Matrix: Solid

Analysis Batch: 14301

Client Sample ID: S-5 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.7		248	306.8		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-14047/1-A

Matrix: Solid

Analysis Batch: 14302

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			12/08/21 21:02	1

Lab Sample ID: LCS 880-14047/2-A

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	266.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-14047/3-A

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	265.6		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-8956-26 MS

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: S-7 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	106		249	363.1		mg/Kg		103	90 - 110

Lab Sample ID: 880-8956-26 MSD

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: S-7 (1-1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	106		249	368.6		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-8956-36 MS

Matrix: Solid

Analysis Batch: 14302

Client Sample ID: S-10 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3660		1240	4980		mg/Kg		106	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8956-36 MSD					Client Sample ID: S-10 (0-1')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 14302												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	3660		1240	4969		mg/Kg		105	90 - 110	0	20	

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 13933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13933/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 13934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8021B	13948
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8021B	13948
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8021B	13948
880-8956-44	S-12 (0-1')	Total/NA	Solid	8021B	13948
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8021B	13948
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8021B	13948
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8021B	13948
MB 880-13933/5-A	Method Blank	Total/NA	Solid	8021B	13933
LCS 880-13948/1-A	Lab Control Sample	Total/NA	Solid	8021B	13948
LCSD 880-13948/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13948
880-8955-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	13948
880-8955-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	13948

Prep Batch: 13944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	5035	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	5035	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	5035	
880-8956-4	S-2 (0-1')	Total/NA	Solid	5035	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	5035	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	5035	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	5035	
880-8956-8	S-3 (0-1')	Total/NA	Solid	5035	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	5035	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	5035	
880-8956-11	S-4 (0-1')	Total/NA	Solid	5035	
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	5035	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	5035	
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	5035	
880-8956-15	S-5 (0-1')	Total/NA	Solid	5035	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	5035	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	5035	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	5035	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	5035	
880-8956-20	S-6 (0-1')	Total/NA	Solid	5035	
MB 880-13944/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13944/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13944/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 13947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	5035	
880-8956-36	S-10 (0-1')	Total/NA	Solid	5035	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	5035	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 13947 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	5035	
880-8956-40	S-11 (0-1')	Total/NA	Solid	5035	
MB 880-13947/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13947/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13947/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8956-35 MS	S-9 (2-2.5')	Total/NA	Solid	5035	
880-8956-35 MSD	S-9 (2-2.5')	Total/NA	Solid	5035	

Prep Batch: 13948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	5035	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	5035	
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	5035	
880-8956-44	S-12 (0-1')	Total/NA	Solid	5035	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	5035	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	5035	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	5035	
LCS 880-13948/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13948/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8955-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-8955-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 13998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8021B	13944
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-4	S-2 (0-1')	Total/NA	Solid	8021B	13944
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8021B	13944
880-8956-8	S-3 (0-1')	Total/NA	Solid	8021B	13944
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-11	S-4 (0-1')	Total/NA	Solid	8021B	13944
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8021B	13944
880-8956-15	S-5 (0-1')	Total/NA	Solid	8021B	13944
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8021B	13944
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8021B	13944
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8021B	13944
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8021B	13944
880-8956-20	S-6 (0-1')	Total/NA	Solid	8021B	13944
MB 880-13944/5-A	Method Blank	Total/NA	Solid	8021B	13944
LCS 880-13944/1-A	Lab Control Sample	Total/NA	Solid	8021B	13944
LCSD 880-13944/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13944
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	13944
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	13944

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 14077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	5035	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	5035	
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	5035	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	5035	
880-8956-25	S-7 (0-1')	Total/NA	Solid	5035	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	5035	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	5035	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	5035	
880-8956-29	S-8 (0-1')	Total/NA	Solid	5035	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	5035	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	5035	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	5035	
880-8956-33	S-9 (0-1')	Total/NA	Solid	5035	
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	5035	
MB 880-14077/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14077/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14077/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-8956-21 MS	S-6 (1-1.5')	Total/NA	Solid	5035	
880-8956-21 MSD	S-6 (1-1.5')	Total/NA	Solid	5035	

Analysis Batch: 14140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8021B	14077
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8021B	14077
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8021B	14077
880-8956-25	S-7 (0-1')	Total/NA	Solid	8021B	14077
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8021B	14077
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8021B	14077
880-8956-29	S-8 (0-1')	Total/NA	Solid	8021B	14077
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8021B	14077
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8021B	14077
880-8956-33	S-9 (0-1')	Total/NA	Solid	8021B	14077
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8021B	14077
MB 880-14077/5-A	Method Blank	Total/NA	Solid	8021B	14077
LCS 880-14077/1-A	Lab Control Sample	Total/NA	Solid	8021B	14077
LCSD 880-14077/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14077
880-8956-21 MS	S-6 (1-1.5')	Total/NA	Solid	8021B	14077
880-8956-21 MSD	S-6 (1-1.5')	Total/NA	Solid	8021B	14077

Analysis Batch: 14141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8021B	13947
880-8956-36	S-10 (0-1')	Total/NA	Solid	8021B	13947
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8021B	13947
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8021B	13947
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8021B	13947
880-8956-40	S-11 (0-1')	Total/NA	Solid	8021B	13947
MB 880-13947/5-A	Method Blank	Total/NA	Solid	8021B	13947

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 14141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-13947/1-A	Lab Control Sample	Total/NA	Solid	8021B	13947
LCSD 880-13947/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13947
880-8956-35 MS	S-9 (2-2.5')	Total/NA	Solid	8021B	13947
880-8956-35 MSD	S-9 (2-2.5')	Total/NA	Solid	8021B	13947

Analysis Batch: 14158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-8	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-11	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-15	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8956-20	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	Total BTEX	
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-36	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-40	S-11 (0-1')	Total/NA	Solid	Total BTEX	

Analysis Batch: 14350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-25	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-29	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-33	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 14394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	Total BTEX	
880-8956-44	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	Total BTEX	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	Total BTEX	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 14145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-8	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-11	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-15	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-20	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-14145/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14145/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 14147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-8956-25	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-29	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-33	S-9 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 14147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-36	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-40	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-14147/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14147/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8956-23 MS	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-23 MSD	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 14148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-44	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-14148/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14148/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14148/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8956-43 MS	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-43 MSD	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-4	S-2 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8015B NM	14145
880-8956-8	S-3 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-11	S-4 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-15	S-5 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8015B NM	14145
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8015B NM	14145
880-8956-20	S-6 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8015B NM	14145
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8015B NM	14145
MB 880-14145/1-A	Method Blank	Total/NA	Solid	8015B NM	14145

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 14176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-14145/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14145
LCSD 880-14145/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14145
880-8956-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	14145
880-8956-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	14145

Analysis Batch: 14177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8015B NM	14199
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8015B NM	14199
MB 880-14199/1-A	Method Blank	Total/NA	Solid	8015B NM	14199
LCS 880-14199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14199
LCSD 880-14199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14199
890-1666-A-121-F MS	Matrix Spike	Total/NA	Solid	8015B NM	14199
890-1666-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14199

Prep Batch: 14199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-14199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-A-121-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1666-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8015B NM	14147
880-8956-25	S-7 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-29	S-8 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-33	S-9 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-36	S-10 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8015B NM	14147
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8015B NM	14147
880-8956-40	S-11 (0-1')	Total/NA	Solid	8015B NM	14147
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8015B NM	14147
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8015B NM	14147
MB 880-14147/1-A	Method Blank	Total/NA	Solid	8015B NM	14147
LCS 880-14147/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14147
LCSD 880-14147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14147
880-8956-23 MS	S-6 (3-3.5')	Total/NA	Solid	8015B NM	14147

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 14242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23 MSD	S-6 (3-3.5')	Total/NA	Solid	8015B NM	14147

Analysis Batch: 14244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8015B NM	14148
880-8956-44	S-12 (0-1')	Total/NA	Solid	8015B NM	14148
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8015B NM	14148
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8015B NM	14148
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8015B NM	14148
MB 880-14148/1-A	Method Blank	Total/NA	Solid	8015B NM	14148
LCS 880-14148/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14148
LCSD 880-14148/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14148
880-8956-43 MS	S-11 (3-3.5')	Total/NA	Solid	8015B NM	14148
880-8956-43 MSD	S-11 (3-3.5')	Total/NA	Solid	8015B NM	14148

Analysis Batch: 14360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-23	S-6 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-24	S-6 (4-4.5')	Total/NA	Solid	8015 NM	
880-8956-25	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-8956-26	S-7 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-27	S-7 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-28	S-7 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-29	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-8956-30	S-8 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-31	S-8 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-32	S-8 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-33	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-8956-34	S-9 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-35	S-9 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-36	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-8956-37	S-10 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-38	S-10 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-39	S-10 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-40	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-8956-41	S-11 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-42	S-11 (2-2.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 14395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-8956-2	S-1 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-3	S-1 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-8956-5	S-2 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-6	S-2 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-7	S-2 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-8	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-8956-9	S-3 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-10	S-3 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-11	S-4 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 14395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-12	S-4 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-13	S-4 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-14	S-4 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-15	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-8956-16	S-5 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-17	S-5 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-18	S-5 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-19	S-5 (4-4.5')	Total/NA	Solid	8015 NM	
880-8956-20	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-8956-21	S-6 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-22	S-6 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-43	S-11 (3-3.5')	Total/NA	Solid	8015 NM	
880-8956-44	S-12 (0-1')	Total/NA	Solid	8015 NM	
880-8956-45	S-12 (1-1.5')	Total/NA	Solid	8015 NM	
880-8956-46	S-12 (2-2.5')	Total/NA	Solid	8015 NM	
880-8956-47	S-12 (3-3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-46	S-12 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-47	S-12 (3-3.5')	Soluble	Solid	DI Leach	
MB 880-14039/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14039/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14039/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8816-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8816-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-8956-2	S-1 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-3	S-1 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-8956-5	S-2 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-14044/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14044/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14044/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8955-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8955-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-8955-A-6-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8955-A-6-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-6	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-7	S-2 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-8	S-3 (0-1')	Soluble	Solid	DI Leach	
880-8956-9	S-3 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-10	S-3 (2-2.5')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 14045 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-11	S-4 (0-1')	Soluble	Solid	DI Leach	
880-8956-12	S-4 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-13	S-4 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-14	S-4 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-15	S-5 (0-1')	Soluble	Solid	DI Leach	
880-8956-16	S-5 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-17	S-5 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-18	S-5 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-19	S-5 (4-4.5')	Soluble	Solid	DI Leach	
880-8956-20	S-6 (0-1')	Soluble	Solid	DI Leach	
880-8956-21	S-6 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-22	S-6 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-23	S-6 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-24	S-6 (4-4.5')	Soluble	Solid	DI Leach	
880-8956-25	S-7 (0-1')	Soluble	Solid	DI Leach	
MB 880-14045/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14045/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14045/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8956-6 MS	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-6 MSD	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-16 MS	S-5 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-16 MSD	S-5 (1-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 14047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-26	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-27	S-7 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-28	S-7 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-29	S-8 (0-1')	Soluble	Solid	DI Leach	
880-8956-30	S-8 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-31	S-8 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-32	S-8 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-33	S-9 (0-1')	Soluble	Solid	DI Leach	
880-8956-34	S-9 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-35	S-9 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-36	S-10 (0-1')	Soluble	Solid	DI Leach	
880-8956-37	S-10 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-38	S-10 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-39	S-10 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-40	S-11 (0-1')	Soluble	Solid	DI Leach	
880-8956-41	S-11 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-42	S-11 (2-2.5')	Soluble	Solid	DI Leach	
880-8956-43	S-11 (3-3.5')	Soluble	Solid	DI Leach	
880-8956-44	S-12 (0-1')	Soluble	Solid	DI Leach	
880-8956-45	S-12 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-14047/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14047/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14047/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8956-26 MS	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-26 MSD	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-8956-36 MS	S-10 (0-1')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 14047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-36 MSD	S-10 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 14239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-46	S-12 (2-2.5')	Soluble	Solid	300.0	14039
880-8956-47	S-12 (3-3.5')	Soluble	Solid	300.0	14039
MB 880-14039/1-A	Method Blank	Soluble	Solid	300.0	14039
LCS 880-14039/2-A	Lab Control Sample	Soluble	Solid	300.0	14039
LCSD 880-14039/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14039
880-8816-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	14039
880-8816-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14039

Analysis Batch: 14300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-1	S-1 (0-1')	Soluble	Solid	300.0	14044
880-8956-2	S-1 (1-1.5')	Soluble	Solid	300.0	14044
880-8956-3	S-1 (2-2.5')	Soluble	Solid	300.0	14044
880-8956-4	S-2 (0-1')	Soluble	Solid	300.0	14044
880-8956-5	S-2 (1-1.5')	Soluble	Solid	300.0	14044
MB 880-14044/1-A	Method Blank	Soluble	Solid	300.0	14044
LCS 880-14044/2-A	Lab Control Sample	Soluble	Solid	300.0	14044
LCSD 880-14044/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14044
880-8955-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	14044
880-8955-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14044
880-8955-A-6-F MS	Matrix Spike	Soluble	Solid	300.0	14044
880-8955-A-6-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14044

Analysis Batch: 14301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-6	S-2 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-7	S-2 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-8	S-3 (0-1')	Soluble	Solid	300.0	14045
880-8956-9	S-3 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-10	S-3 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-11	S-4 (0-1')	Soluble	Solid	300.0	14045
880-8956-12	S-4 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-13	S-4 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-14	S-4 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-15	S-5 (0-1')	Soluble	Solid	300.0	14045
880-8956-16	S-5 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-17	S-5 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-18	S-5 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-19	S-5 (4-4.5')	Soluble	Solid	300.0	14045
880-8956-20	S-6 (0-1')	Soluble	Solid	300.0	14045
880-8956-21	S-6 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-22	S-6 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-23	S-6 (3-3.5')	Soluble	Solid	300.0	14045
880-8956-24	S-6 (4-4.5')	Soluble	Solid	300.0	14045
880-8956-25	S-7 (0-1')	Soluble	Solid	300.0	14045
MB 880-14045/1-A	Method Blank	Soluble	Solid	300.0	14045
LCS 880-14045/2-A	Lab Control Sample	Soluble	Solid	300.0	14045

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 14301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-14045/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14045
880-8956-6 MS	S-2 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-6 MSD	S-2 (2-2.5')	Soluble	Solid	300.0	14045
880-8956-16 MS	S-5 (1-1.5')	Soluble	Solid	300.0	14045
880-8956-16 MSD	S-5 (1-1.5')	Soluble	Solid	300.0	14045

Analysis Batch: 14302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8956-26	S-7 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-27	S-7 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-28	S-7 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-29	S-8 (0-1')	Soluble	Solid	300.0	14047
880-8956-30	S-8 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-31	S-8 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-32	S-8 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-33	S-9 (0-1')	Soluble	Solid	300.0	14047
880-8956-34	S-9 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-35	S-9 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-36	S-10 (0-1')	Soluble	Solid	300.0	14047
880-8956-37	S-10 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-38	S-10 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-39	S-10 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-40	S-11 (0-1')	Soluble	Solid	300.0	14047
880-8956-41	S-11 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-42	S-11 (2-2.5')	Soluble	Solid	300.0	14047
880-8956-43	S-11 (3-3.5')	Soluble	Solid	300.0	14047
880-8956-44	S-12 (0-1')	Soluble	Solid	300.0	14047
880-8956-45	S-12 (1-1.5')	Soluble	Solid	300.0	14047
MB 880-14047/1-A	Method Blank	Soluble	Solid	300.0	14047
LCS 880-14047/2-A	Lab Control Sample	Soluble	Solid	300.0	14047
LCSD 880-14047/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14047
880-8956-26 MS	S-7 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-26 MSD	S-7 (1-1.5')	Soluble	Solid	300.0	14047
880-8956-36 MS	S-10 (0-1')	Soluble	Solid	300.0	14047
880-8956-36 MSD	S-10 (0-1')	Soluble	Solid	300.0	14047

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-1

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 14:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 23:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/08/21 19:21	CH	XEN MID

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-8956-2

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 14:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/08/21 19:54	CH	XEN MID

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-8956-3

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 15:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 00:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/08/21 20:03	CH	XEN MID

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

Lab Sample ID: 880-8956-4

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 15:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-8956-4

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/09/21 08:26	CH	XEN MID

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-8956-5

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 15:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 01:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14044	12/06/21 12:03	CA	XEN MID
Soluble	Analysis	300.0		1			14300	12/09/21 08:34	CH	XEN MID

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-8956-6

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 16:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 09:00	SC	XEN MID

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-8956-7

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 16:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 02:16	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-2 (3-3.5')

Date Collected: 12/03/21 00:00

Date Received: 12/06/21 08:15

Lab Sample ID: 880-8956-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 09:32	SC	XEN MID

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

Date Collected: 12/03/21 00:00

Date Received: 12/06/21 08:15

Lab Sample ID: 880-8956-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 17:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 02:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 09:43	SC	XEN MID

Client Sample ID: S-3 (1-1.5')

Date Collected: 12/03/21 00:00

Date Received: 12/06/21 08:15

Lab Sample ID: 880-8956-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 17:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 03:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		5			14301	12/09/21 09:54	SC	XEN MID

Client Sample ID: S-3 (2-2.5')

Date Collected: 12/03/21 00:00

Date Received: 12/06/21 08:15

Lab Sample ID: 880-8956-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 18:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 10:05	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-8956-11

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 19:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 04:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 10:38	SC	XEN MID

Client Sample ID: S-4 (1-1.5')

Lab Sample ID: 880-8956-12

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 20:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 04:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 10:49	SC	XEN MID

Client Sample ID: S-4 (2-2.5')

Lab Sample ID: 880-8956-13

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 20:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 05:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:00	SC	XEN MID

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 21:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-4 (3-3.5')

Lab Sample ID: 880-8956-14

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 06:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:11	SC	XEN MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-8956-15

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 21:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 05:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:21	SC	XEN MID

Client Sample ID: S-5 (1-1.5')

Lab Sample ID: 880-8956-16

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 22:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 05:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 11:32	SC	XEN MID

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-8956-17

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 22:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 06:08	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-8956-17

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 12:05	SC	XEN MID

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-8956-18

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 22:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 06:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 12:16	SC	XEN MID

Client Sample ID: S-5 (4-4.5')

Lab Sample ID: 880-8956-19

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 23:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 07:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 12:49	SC	XEN MID

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-8956-20

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13944	12/06/21 09:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/06/21 23:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 06:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		5			14301	12/09/21 13:00	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1-1.5')

Lab Sample ID: 880-8956-21

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 11:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 07:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:11	SC	XEN MID

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-8956-22

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 11:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14145	12/07/21 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/08/21 07:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:22	SC	XEN MID

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-8956-23

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 11:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 21:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:33	SC	XEN MID

Client Sample ID: S-6 (4-4.5')

Lab Sample ID: 880-8956-24

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 12:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-6 (4-4.5')

Lab Sample ID: 880-8956-24

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 22:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:43	SC	XEN MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-8956-25

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 15:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 22:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14045	12/06/21 12:05	CA	XEN MID
Soluble	Analysis	300.0		1			14301	12/09/21 13:54	SC	XEN MID

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-8956-26

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 16:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 21:27	CH	XEN MID

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 16:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 23:29	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-8956-27

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 21:52	CH	XEN MID

Client Sample ID: S-7 (3-3.5')

Lab Sample ID: 880-8956-28

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 16:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/08/21 23:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:00	CH	XEN MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-8956-29

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 17:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 00:08	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:09	CH	XEN MID

Client Sample ID: S-8 (1-1.5')

Lab Sample ID: 880-8956-30

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 17:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 00:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:17	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-8 (2-2.5')

Lab Sample ID: 880-8956-31

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 17:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 00:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:42	CH	XEN MID

Client Sample ID: S-8 (3-3.5')

Lab Sample ID: 880-8956-32

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 18:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 01:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 22:50	CH	XEN MID

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-8956-33

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 18:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 01:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/08/21 22:59	CH	XEN MID

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14077	12/07/21 07:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14140	12/07/21 18:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-8956-34

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 02:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 23:07	CH	XEN MID

Client Sample ID: S-9 (2-2.5')

Lab Sample ID: 880-8956-35

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 11:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 23:16	CH	XEN MID

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-8956-36

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 11:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 02:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/08/21 23:24	CH	XEN MID

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-8956-37

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 12:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 03:06	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-8956-37

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/08/21 23:49	CH	XEN MID

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-8956-38

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 12:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/08/21 23:57	CH	XEN MID

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-8956-39

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 09:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 12:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 03:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:22	CH	XEN MID

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-8956-40

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13947	12/06/21 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14141	12/07/21 13:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14158	12/07/21 09:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 04:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:31	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1-1.5')

Lab Sample ID: 880-8956-41

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 02:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 04:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:39	CH	XEN MID

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-8956-42

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 02:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14360	12/09/21 11:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14147	12/07/21 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14242	12/09/21 04:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:48	CH	XEN MID

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-8956-43

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 02:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 21:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 00:56	CH	XEN MID

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-8956-44

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 03:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-8956-44

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 22:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		5			14302	12/09/21 01:04	CH	XEN MID

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-8956-45

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 03:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 22:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14047	12/06/21 12:07	CA	XEN MID
Soluble	Analysis	300.0		1			14302	12/09/21 01:13	CH	XEN MID

Client Sample ID: S-12 (2-2.5')

Lab Sample ID: 880-8956-46

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 03:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14039	12/06/21 11:57	CA	XEN MID
Soluble	Analysis	300.0		5			14239	12/08/21 05:25	CH	XEN MID

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-8956-47

Date Collected: 12/03/21 00:00

Matrix: Solid

Date Received: 12/06/21 08:15

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	13948	12/06/21 09:23	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13934	12/07/21 04:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14394	12/09/21 14:43	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14395	12/09/21 14:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14148	12/07/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14244	12/08/21 23:29	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Client Sample ID: S-12 (3-3.5')
Date Collected: 12/03/21 00:00
Date Received: 12/06/21 08:15

Lab Sample ID: 880-8956-47
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	14039	12/06/21 11:57	CA	XEN MID
Soluble	Analysis	300.0		5			14239	12/08/21 05:37	CH	XEN MID

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

- 1
- 2
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Accreditation/Certification Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

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

Method Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-8956-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-8956-1	S-1 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-2	S-1 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-3	S-1 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-4	S-2 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-5	S-2 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-6	S-2 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-7	S-2 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-8	S-3 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-9	S-3 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-10	S-3 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-11	S-4 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-12	S-4 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-13	S-4 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-14	S-4 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-15	S-5 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-16	S-5 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-17	S-5 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-18	S-5 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-19	S-5 (4-4.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-20	S-6 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-21	S-6 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-22	S-6 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-23	S-6 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-24	S-6 (4-4.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-25	S-7 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-26	S-7 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-27	S-7 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-28	S-7 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-29	S-8 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-30	S-8 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-31	S-8 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-32	S-8 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-33	S-9 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-34	S-9 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-35	S-9 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-36	S-10 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-37	S-10 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-38	S-10 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-39	S-10 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-40	S-11 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-41	S-11 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-42	S-11 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-43	S-11 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-44	S-12 (0-1')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-45	S-12 (1-1.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-46	S-12 (2-2.5')	Solid	12/03/21 00:00	12/06/21 08:15
880-8956-47	S-12 (3-3.5')	Solid	12/03/21 00:00	12/06/21 08:15



Chain of Custody



880-8956 Chain of Custody

Page 1 of 9

Project Manager	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds BLVD	Address:	866 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone	432-813-0263	Email	Joseph.Vargo@nngl.com

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

Project Name:		Cosmo Booster		Turn Around				ANALYSIS REQUEST		Preservative Codes	
Project Number		214956		☐ Routine ☒ Rush							
Project Location		Lea Co. NM		Due Date		72Hrs					
Sampler's Name:		ES / NH		TAT starts the day received by the lab if received by 4.30pm							
PO #:											
SAMPLE RECEIPT				Temp. Blank:		Yes ☐ No ☒		Thermometer ID		IRB	
Received Inact:				Yes ☒ No ☐				Correction Factor		1.0	
Cooler Custody Seals:				Yes ☐ No ☒				Temperature Reading		1.9	
Sample Custody Seals:				Yes ☐ No ☒				Corrected Temperature:		1.9	
Total Containers:											
Parameters											
BTEx 8021B											
PH 8015M (GRO+DRO+MRO)											
Chloride 300											
HOLD											
None NO								DI Water H ₂ O			
Cool Cool								MeOH Me			
HCL HC								HNO ₃ HN			
H ₂ SO ₄ H ₂								NaOH Na			
H ₃ PO ₄ HP											
NaHSO ₄ NABIS											
Na ₂ S ₂ O ₃ NaSO ₃											
Zn Acetate+NaOH Zn											
NaOH+Ascorbic Acid SAPC											

[illegible]

Additional Comments:

Xenoco acknowledges that its documents and materials submitted for reimbursement or samples constitute a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$.50 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Brian M. J. [Signature]</i>	<i>Johnnie R. [Signature]</i>	12/6/21 8:15			



Chain of Custody

Work Order No: 0956

Page 2 of 5

Project Manager:	Mike Camrona	Bill to, (if different):	Joe Vargo
Company Name:	NTG Environmental	Company Name:	NGL
Address:	701 Tradewinds Blvd	Address:	865 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone:	432-813-0263	Email:	Joseph.Vargo@nleap.com

Project Name:	Cosmo Booster	Turn Around	Pres. Code
Project Number:	214956	☐ Routine ☒ Rush	
Project Location:	Lea Co. NM	Due Date	72Hrs
Sampler's Name:	ES / NH	TAT starts the day received by the lab if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters
	Received Intact:	Yes ☒ No ☐	Thermometer ID:	Yes ☒ No ☐	
	Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	Yes ☒ No ☐	
	Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	18	
Total Containers:		Corrected Temperature:	19		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes
S-4 (0-1')	12/3/2021		X		G	1	X	None NO
S-4 (1-1.5')	12/3/2021		X		G	1	X	DI Water H ₂ O
S-4 (2-2.5')	12/3/2021		X		G	1	X	Cool Cool MeOH Me
S-4 (3-3.5')	12/3/2021		X		G	1	X	HCL HC HNO ₃ HN
S-5 (0-1')	12/3/2021		X		G	1	X	H ₂ SO ₄ H ₂
S-5 (1-1.5')	12/3/2021		X		G	1	X	H ₃ PO ₄ HP
S-5 (2-2.5')	12/3/2021		X		G	1	X	NaHSO ₄ NABIS
S-5 (3-3.5')	12/3/2021		X		G	1	X	Na ₂ S ₂ O ₃ NaSO ₃
S-5 (4-4.5')	12/3/2021		X		G	1	X	Zn Acetate+NaOH Zn
S-6 (0-1')	12/3/2021		X		G	1	X	NaOH+Ascorbic Acid SAPC

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Joseph Vargo</i>	<i>R</i>	12/02/21 8:15			



Chain of Custody

Work Order No: 0950

Page 3 of 5

Project Manager	Mike Camrona	Bill to: (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name	NGL
Address	701 Tradewinds Blvd	Address	865 North Albion Street Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone	432-813-0263	Email	Joseph.Vargo@ntgenv.com
Work Order Comments			
Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐			
State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ PRP ☐ Level IV ☐			
Reporting Level: ☐ Level II ☐ Level III ☐ Level IV ☐			
Deliverables: ☐ EDD ☐ ADAPT ☐ Other			

Project Name	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	214956	☐ Routine ☒ Rush														None NO DI Water H ₂ O			
Project Location	Lea Co. NM	Due Date	72Hrs													Cool Cool MeOH Me			
Sample's Name	ES / NH	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																H ₃ PO ₄ HP			
Received Intact:	Temp Blank: Yes No	Yes No	Wet Ice: Yes No													NaHSO ₄ NABIS			
Cooler Custody Seals:	Yes No	Yes No	Thermometer ID													Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals:	Yes No	Yes No	Correction Factor													Zn Acetate+NaOH Zn			
Total Containers:	Yes No	Yes No	Temperature Reading													NaOH+Ascorbic Acid SAPC			
			Corrected Temperature													HOLD			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments			
S-6 (1-1 5')	12/3/2021		X		G	1	BTX 8021B												402			
S-6 (2-2 5')	12/3/2021		X		G	1	TPH 8015M (GRO+DRO+MRO)															
S-6 (3-3 5')	12/3/2021		X		G	1	Chloride 300															
S-6 (4-4 5')	12/3/2021		X		G	1																
S-7 (0-1')	12/3/2021		X		G	1																
S-7 (1-1 5')	12/3/2021		X		G	1																
S-7 (2-2 5')	12/3/2021		X		G	1																
S-7 (3-3 5')	12/3/2021		X		G	1																
S-8 (0-1')	12/3/2021		X		G	1																
S-8 (1-1 5')	12/3/2021		X		G	1																

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Ben W. Jorgensen</i>	<i>Sticser R</i>	12/6/21 8:15			
5					6



Chain of Custody

Work Order No: 8954

Page 4 of 5

Project Manager	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name:	NGL
Address	701 Tradewinds BLVD	Address:	865 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver CO 80220
Phone:	432-813-0263	Email	Joseph Vargo@nnglep.com

Work Order Comments Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐ State of Project. Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other			

Project Name.		Cosmo Booster		Turn Around												ANALYSIS REQUEST		Preservative Codes							
Project Number		214956		☐ Routine ☒ Rush																					
Project Location		Lea Co. NM		Due Date		72Hrs																			
Sampler's Name.		ES / NH		TAT starts the day received by the lab if received by 4:30pm																					
PO #.																									
SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Wet Ice		Yes ☐ No ☒																	
Received In tact:		Yes ☒ No ☐		Thermometer ID				168																	
Cooler Custody Seals.		Yes ☐ No ☒		Correction Factor				1.8																	
Sample Custody Seals.		Yes ☐ No ☒		Temperature Reading				1.9																	
Total Containers.				Corrected Temperature																					
Parameters												Pres. Code													
BTEX 8021B																									
H 8015M (GRO+DRO+MRO)																									
Chloride 300																									
HOLD																									
None NO																								DI Water H ₂ O	
Cool Cool																								MeOH Me	
HCL HC																								HNO ₃ HN	
H ₂ SO ₄ H ₂																								NaOH Na	
H ₃ PO ₄ HP																									
NaHSO ₄ NABIS																									
Na ₂ S ₂ O ₃ NaSO ₃																									
Zn Acetate+NaOH Zn																									
NaOH+Ascorbic Acid SAPC																									

[illegible]

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Debra M. Gandy</i>	<i>Debra E</i>	12/6/21 8:15			



Work Order No: 88954

Page 5 of 5

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

[illegible][illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xencio. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Erin McLaughlin</i>	<i>[Signature]</i>	12/6/21 8:15			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-8956-1

SDG Number: Lea Co, NM

Login Number: 8956

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-9663-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Cosmo Booster

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
12/30/2021 2:13:24 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through
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www.eurofinsus.com/Env

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

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

Client: NT Global
Project/Site: Cosmo Booster

Laboratory Job ID: 880-9663-1
SDG: Lea Co, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	5
Client Sample Results	6
Surrogate Summary	34
QC Sample Results	37
QC Association Summary	48
Lab Chronicle	57
Certification Summary	69
Method Summary	70
Sample Summary	71
Chain of Custody	72
Receipt Checklists	76

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

Definitions/Glossary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Xenco, Midland

Definitions/Glossary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

Case Narrative

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Job ID: 880-9663-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-9663-1****Receipt**

The samples were received on 12/22/2021 3:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-3 (3') (880-9663-16), T-3 (4') (880-9663-17) and T-4 (1') (880-9663-19). 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 for preparation batch 880-15492 and analytical batch 880-15482 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15437 and analytical batch 880-15427 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-4 (5') (880-9663-23), T-5 (0-1') (880-9663-24), T-5 (1') (880-9663-25), T-5 (4') (880-9663-28), T-5 (6') (880-9663-30), (880-9663-A-20-B MS) and (880-9663-A-21-E 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-15658 and analytical batch 880-15680 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (2') (880-9663-9). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-15397 and analytical batch 880-15657 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.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-15396 and analytical batch 880-15660 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-9663-1

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
m-Xylene & p-Xylene	<0.00400	U *1 *-	0.00400		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
o-Xylene	0.00318	*1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:12	1
Xylenes, Total	<0.00400	U *1 *+	0.00400		mg/Kg		12/23/21 12:08	12/23/21 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/23/21 12:08	12/23/21 22:12	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/23/21 12:08	12/23/21 22:12	1

Method: 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			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	441		49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 11:12	1
Diesel Range Organics (Over C10-C28)	441	F1	49.9		mg/Kg		12/28/21 13:45	12/29/21 11:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	12/28/21 13:45	12/29/21 11:12	1
o-Terphenyl	117		70 - 130	12/28/21 13:45	12/29/21 11:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3440		25.0		mg/Kg			12/28/21 23:32	5

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9663-2

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
Toluene	<0.00202	U *1 *+	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
m-Xylene & p-Xylene	<0.00403	U *1 *-	0.00403		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
o-Xylene	<0.00202	U *1 *+	0.00202		mg/Kg		12/23/21 12:08	12/23/21 22:32	1
Xylenes, Total	<0.00403	U *1 *+	0.00403		mg/Kg		12/23/21 12:08	12/23/21 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	12/23/21 12:08	12/23/21 22:32	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/23/21 12:08	12/23/21 22:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9663-2

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:45	12/29/21 12:15	1
o-Terphenyl	109		70 - 130				12/28/21 13:45	12/29/21 12:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		25.2		mg/Kg			12/28/21 23:42	5

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9663-3

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Toluene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
m-Xylene & p-Xylene	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
o-Xylene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Xylenes, Total	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/23/21 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/23/21 12:08	12/23/21 22:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/23/21 12:08	12/23/21 22:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9663-3

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/28/21 13:45	12/29/21 12:36	1
o-Terphenyl	111		70 - 130				12/28/21 13:45	12/29/21 12:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4790		24.8		mg/Kg			12/28/21 23:52	5

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9663-4

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
m-Xylene & p-Xylene	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/23/21 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/23/21 12:08	12/23/21 23:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/23/21 12:08	12/23/21 23:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/28/21 13:45	12/29/21 12:57	1
o-Terphenyl	110		70 - 130				12/28/21 13:45	12/29/21 12:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5250		50.2		mg/Kg			12/29/21 00:02	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-9663-5

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
m-Xylene & p-Xylene	<0.00401	U *1 *-	0.00401		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
o-Xylene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/23/21 23:33	1
Xylenes, Total	<0.00401	U *1 *+	0.00401		mg/Kg		12/23/21 12:08	12/23/21 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/23/21 12:08	12/23/21 23:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/23/21 12:08	12/23/21 23:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/28/21 13:45	12/29/21 13:18	1
o-Terphenyl	106		70 - 130	12/28/21 13:45	12/29/21 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1390		25.1		mg/Kg			12/29/21 06:43	5

Client Sample ID: T-1 (5')

Lab Sample ID: 880-9663-6

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
m-Xylene & p-Xylene	<0.00399	U *1 *-	0.00399		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
o-Xylene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 01:23	1
Xylenes, Total	<0.00399	U *1 *+	0.00399		mg/Kg		12/23/21 12:08	12/24/21 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/23/21 12:08	12/24/21 01:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/23/21 12:08	12/24/21 01:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-9663-6

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/28/21 13:45	12/29/21 13:39	1
o-Terphenyl	114		70 - 130				12/28/21 13:45	12/29/21 13:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		5.05		mg/Kg			12/29/21 07:03	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
m-Xylene & p-Xylene	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/24/21 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				12/23/21 12:08	12/24/21 01:43	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/23/21 12:08	12/24/21 01:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/28/21 13:45	12/29/21 14:01	1
o-Terphenyl	106		70 - 130				12/28/21 13:45	12/29/21 14:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2390		24.9		mg/Kg			12/29/21 07:10	5

Client Sample ID: T-2 (1')

Lab Sample ID: 880-9663-8

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Toluene	<0.00201	U *1 **	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
m-Xylene & p-Xylene	<0.00402	U *1 *	0.00402		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
o-Xylene	<0.00201	U *1 **	0.00201		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Xylenes, Total	<0.00402	U *1 **	0.00402		mg/Kg		12/23/21 12:08	12/24/21 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/23/21 12:08	12/24/21 02:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/23/21 12:08	12/24/21 02:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				12/28/21 13:45	12/29/21 14:22	1
o-Terphenyl	122		70 - 130				12/28/21 13:45	12/29/21 14:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3730		24.8		mg/Kg			12/29/21 07:16	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (2')

Lab Sample ID: 880-9663-9

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
m-Xylene & p-Xylene	<0.00398	U *1 *-	0.00398		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 02:24	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/24/21 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/23/21 12:08	12/24/21 02:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/23/21 12:08	12/24/21 02:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.5		50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	50.5		50.0		mg/Kg		12/28/21 13:45	12/29/21 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/28/21 13:45	12/29/21 14:43	1
o-Terphenyl	133	S1+	70 - 130	12/28/21 13:45	12/29/21 14:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2570		25.2		mg/Kg			12/29/21 07:23	5

Client Sample ID: T-2 (3')

Lab Sample ID: 880-9663-10

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
Toluene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
m-Xylene & p-Xylene	<0.00400	U *1 *-	0.00400		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
o-Xylene	<0.00200	U *1 *+	0.00200		mg/Kg		12/23/21 12:08	12/24/21 02:45	1
Xylenes, Total	<0.00400	U *1 *+	0.00400		mg/Kg		12/23/21 12:08	12/24/21 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/23/21 12:08	12/24/21 02:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/23/21 12:08	12/24/21 02:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-9663-10

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 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			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:45	12/29/21 15:04	1
o-Terphenyl	111		70 - 130				12/28/21 13:45	12/29/21 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		4.99		mg/Kg			12/29/21 07:43	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9663-11

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Toluene	<0.00199	U *1 *	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
m-Xylene & p-Xylene	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
o-Xylene	<0.00199	U *1 *	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Xylenes, Total	<0.00398	U *1 *	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/23/21 12:08	12/24/21 03:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/23/21 12:08	12/24/21 03:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9663-11

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/28/21 13:45	12/29/21 15:45	1
o-Terphenyl	115		70 - 130				12/28/21 13:45	12/29/21 15:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	616		4.98		mg/Kg			12/29/21 07:49	1

Client Sample ID: T-2 (5')

Lab Sample ID: 880-9663-12

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Toluene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
m-Xylene & p-Xylene	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
o-Xylene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Xylenes, Total	<0.00399	U *1 *	0.00399		mg/Kg		12/23/21 12:08	12/24/21 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/23/21 12:08	12/24/21 03:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/23/21 12:08	12/24/21 03:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/28/21 13:45	12/29/21 16:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/21 13:45	12/29/21 16:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/21 13:45	12/29/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 13:45	12/29/21 16:06	1
o-Terphenyl	111		70 - 130				12/28/21 13:45	12/29/21 16:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		4.95		mg/Kg			12/29/21 07:56	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-9663-13

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
Toluene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
m-Xylene & p-Xylene	<0.00398	U *1 *-	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
o-Xylene	<0.00199	U *1 *+	0.00199		mg/Kg		12/23/21 12:08	12/24/21 03:46	1
Xylenes, Total	<0.00398	U *1 *+	0.00398		mg/Kg		12/23/21 12:08	12/24/21 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/23/21 12:08	12/24/21 03:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/23/21 12:08	12/24/21 03:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/28/21 13:45	12/29/21 16:27	1
o-Terphenyl	98		70 - 130	12/28/21 13:45	12/29/21 16:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		5.01		mg/Kg			12/29/21 08:03	1

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *-	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
Toluene	<0.00201	U *1 *+	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
m-Xylene & p-Xylene	<0.00402	U *1 *-	0.00402		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
o-Xylene	<0.00201	U *1 *+	0.00201		mg/Kg		12/23/21 12:08	12/24/21 04:06	1
Xylenes, Total	<0.00402	U *1 *+	0.00402		mg/Kg		12/23/21 12:08	12/24/21 04:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	12/23/21 12:08	12/24/21 04:06	1
1,4-Difluorobenzene (Surr)	73		70 - 130	12/23/21 12:08	12/24/21 04:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/28/21 13:45	12/29/21 16:48	1
o-Terphenyl	107		70 - 130				12/28/21 13:45	12/29/21 16:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.60		4.98		mg/Kg			12/29/21 08:09	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9663-15

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Toluene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
m-Xylene & p-Xylene	<0.00401	U *1 *	0.00401		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
o-Xylene	<0.00200	U *1 *	0.00200		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Xylenes, Total	<0.00401	U *1 *	0.00401		mg/Kg		12/23/21 12:08	12/24/21 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/23/21 12:08	12/24/21 04:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/23/21 12:08	12/24/21 04:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9663-15

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				12/28/21 13:45	12/29/21 17:09	1
o-Terphenyl	104		70 - 130				12/28/21 13:45	12/29/21 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U F1	4.99		mg/Kg			12/29/21 08:16	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9663-16

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/23/21 16:34	12/24/21 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				12/23/21 16:34	12/24/21 13:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/23/21 16:34	12/24/21 13:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/28/21 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/28/21 13:45	12/29/21 17:30	1
o-Terphenyl	105		70 - 130				12/28/21 13:45	12/29/21 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.68		5.02		mg/Kg			12/29/21 08:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-9663-17

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00389		0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
Ethylbenzene	0.0109		0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	12/23/21 16:34	12/24/21 14:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/23/21 16:34	12/24/21 14:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0148		0.00399		mg/Kg			12/28/21 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 13:45	12/29/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	12/28/21 13:45	12/29/21 17:51	1
o-Terphenyl	104		70 - 130	12/28/21 13:45	12/29/21 17:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.54		4.98		mg/Kg			12/29/21 08:43	1

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-9663-18

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/23/21 16:34	12/24/21 14:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/23/21 16:34	12/24/21 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/23/21 16:34	12/24/21 14:33	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/23/21 16:34	12/24/21 14:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-9663-18

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/28/21 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/28/21 13:45	12/29/21 18:10	1
o-Terphenyl	105		70 - 130				12/28/21 13:45	12/29/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	658		4.97		mg/Kg			12/29/21 09:03	1

Client Sample ID: T-4 (1')

Lab Sample ID: 880-9663-19

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/23/21 16:34	12/24/21 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				12/23/21 16:34	12/24/21 14:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130				12/23/21 16:34	12/24/21 14:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/28/21 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:31	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (1')

Lab Sample ID: 880-9663-19

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/28/21 13:45	12/29/21 18:31	1
o-Terphenyl	106		70 - 130				12/28/21 13:45	12/29/21 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.95		mg/Kg			12/29/21 09:09	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-9663-20

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/28/21 10:04	12/28/21 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/28/21 10:04	12/28/21 14:07	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/28/21 10:04	12/28/21 14:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/28/21 13:45	12/29/21 18:51	1
o-Terphenyl	108		70 - 130				12/28/21 13:45	12/29/21 18:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		4.96		mg/Kg			12/29/21 09:16	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-9663-21

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 14:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/28/21 10:04	12/28/21 14:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/28/21 10:04	12/28/21 14:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/28/21 08:30	12/28/21 15:34	1
o-Terphenyl	97		70 - 130	12/28/21 08:30	12/28/21 15:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		5.00		mg/Kg			12/29/21 09:23	1

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9663-22

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 14:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/28/21 10:04	12/28/21 14:47	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/28/21 10:04	12/28/21 14:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9663-22

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/28/21 08:30	12/28/21 16:36	1
o-Terphenyl	103		70 - 130				12/28/21 08:30	12/28/21 16:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		5.03		mg/Kg			12/29/21 09:29	1

Client Sample ID: T-4 (5')

Lab Sample ID: 880-9663-23

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				12/28/21 10:04	12/28/21 15:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/28/21 10:04	12/28/21 15:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (5')

Lab Sample ID: 880-9663-23

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/28/21 08:30	12/28/21 16:57	1
o-Terphenyl	114		70 - 130				12/28/21 08:30	12/28/21 16:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.04		mg/Kg			12/29/21 09:36	1

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-9663-24

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				12/28/21 10:04	12/28/21 15:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/28/21 10:04	12/28/21 15:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/28/21 08:30	12/28/21 17:18	1
o-Terphenyl	96		70 - 130				12/28/21 08:30	12/28/21 17:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		5.02		mg/Kg			12/29/21 09:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (1')

Lab Sample ID: 880-9663-25

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 15:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	12/28/21 10:04	12/28/21 15:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/28/21 10:04	12/28/21 15:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/28/21 08:30	12/28/21 17:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/21 08:30	12/28/21 17:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/21 08:30	12/28/21 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/28/21 08:30	12/28/21 17:38	1
o-Terphenyl	101		70 - 130	12/28/21 08:30	12/28/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2560	F1	25.1		mg/Kg			12/29/21 02:49	5

Client Sample ID: T-5 (2')

Lab Sample ID: 880-9663-26

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 16:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/28/21 10:04	12/28/21 16:09	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/28/21 10:04	12/28/21 16:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-9663-26

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/28/21 08:30	12/28/21 17:59	1
o-Terphenyl	101		70 - 130				12/28/21 08:30	12/28/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3270		25.3		mg/Kg			12/29/21 03:09	5

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/28/21 10:04	12/28/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/28/21 10:04	12/28/21 16:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/28/21 10:04	12/28/21 16:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 18:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 18:20	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 18:20	1
o-Terphenyl	102		70 - 130				12/28/21 08:30	12/28/21 18:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4930		24.9		mg/Kg			12/29/21 03:16	5

Client Sample ID: T-5 (4')

Lab Sample ID: 880-9663-28

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130				12/28/21 10:04	12/28/21 16:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/28/21 10:04	12/28/21 16:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				12/28/21 08:30	12/28/21 18:40	1
o-Terphenyl	106		70 - 130				12/28/21 08:30	12/28/21 18:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3450		24.8		mg/Kg			12/29/21 03:23	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (5')

Lab Sample ID: 880-9663-29

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 17:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/28/21 10:04	12/28/21 17:10	1
1,4-Difluorobenzene (Surr)	83		70 - 130	12/28/21 10:04	12/28/21 17:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 19:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 19:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/28/21 08:30	12/28/21 19:01	1
o-Terphenyl	86		70 - 130	12/28/21 08:30	12/28/21 19:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		5.04		mg/Kg			12/29/21 03:30	1

Client Sample ID: T-5 (6')

Lab Sample ID: 880-9663-30

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	12/28/21 10:04	12/28/21 18:32	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/28/21 10:04	12/28/21 18:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (6')

Lab Sample ID: 880-9663-30

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 19:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 19:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 19:22	1
o-Terphenyl	95		70 - 130				12/28/21 08:30	12/28/21 19:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		4.99		mg/Kg			12/29/21 03:50	1

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-9663-31

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00201		0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Toluene	0.00428		0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
o-Xylene	0.00270		0.00199		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/28/21 10:04	12/28/21 18:53	1
1,4-Difluorobenzene (Surr)	85		70 - 130				12/28/21 10:04	12/28/21 18:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00899		0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-9663-31

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/28/21 08:30	12/28/21 20:06	1
o-Terphenyl	105		70 - 130				12/28/21 08:30	12/28/21 20:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		24.9		mg/Kg			12/29/21 03:56	5

Client Sample ID: T-6 (1')

Lab Sample ID: 880-9663-32

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
o-Xylene	0.00235		0.00199		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/21 10:04	12/28/21 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/28/21 10:04	12/28/21 19:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/28/21 10:04	12/28/21 19:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/28/21 08:30	12/28/21 20:28	1
o-Terphenyl	97		70 - 130				12/28/21 08:30	12/28/21 20:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		24.8		mg/Kg			12/29/21 04:03	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-9663-33

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/28/21 10:04	12/28/21 19:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/28/21 10:04	12/28/21 19:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	12/28/21 08:30	12/28/21 20:51	1
o-Terphenyl	101		70 - 130	12/28/21 08:30	12/28/21 20:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		25.1		mg/Kg			12/29/21 04:10	5

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 19:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/28/21 10:04	12/28/21 19:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/28/21 10:04	12/28/21 19:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 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			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 21:13	1
o-Terphenyl	101		70 - 130				12/28/21 08:30	12/28/21 21:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		4.98		mg/Kg			12/29/21 04:16	1

Client Sample ID: T-6 (4')

Lab Sample ID: 880-9663-35

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/21 10:04	12/28/21 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/28/21 10:04	12/28/21 20:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/28/21 10:04	12/28/21 20:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 21:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 21:35	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (4')

Lab Sample ID: 880-9663-35

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/21 08:30	12/28/21 21:35	1
o-Terphenyl	99		70 - 130				12/28/21 08:30	12/28/21 21:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2210	F1	25.0		mg/Kg			12/29/21 04:23	5

Client Sample ID: T-6 (5')

Lab Sample ID: 880-9663-36

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/21 10:04	12/28/21 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/28/21 10:04	12/28/21 20:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/28/21 10:04	12/28/21 20:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/28/21 08:30	12/28/21 21:58	1
o-Terphenyl	97		70 - 130				12/28/21 08:30	12/28/21 21:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		5.02		mg/Kg			12/29/21 04:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (6')

Lab Sample ID: 880-9663-37

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 20:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/21 10:04	12/28/21 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/28/21 10:04	12/28/21 20:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/28/21 10:04	12/28/21 20:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/30/21 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/30/21 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 22:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 22:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/21 08:30	12/28/21 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	12/28/21 08:30	12/28/21 22:22	1
o-Terphenyl	92		70 - 130	12/28/21 08:30	12/28/21 22:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.98		mg/Kg			12/29/21 04:50	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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)
880-9655-A-11-F MS	Matrix Spike	147 S1+	111
880-9655-A-11-G MSD	Matrix Spike Duplicate	149 S1+	89
880-9663-1	T-1 (0-1')	108	95
880-9663-2	T-1 (1')	84	76
880-9663-3	T-1 (2')	123	94
880-9663-4	T-1 (3')	119	95
880-9663-5	T-1 (4')	116	92
880-9663-6	T-1 (5')	126	99
880-9663-7	T-2 (0-1')	71	107
880-9663-8	T-2 (1')	126	94
880-9663-9	T-2 (2')	112	96
880-9663-10	T-2 (3')	112	90
880-9663-11	T-2 (4')	123	93
880-9663-12	T-2 (5')	121	102
880-9663-13	T-3 (0-1')	118	97
880-9663-14	T-3 (1')	89	73
880-9663-15	T-3 (2')	131 S1+	108
880-9663-16	T-3 (3')	136 S1+	92
880-9663-17	T-3 (4')	171 S1+	93
880-9663-18	T-4 (0-1')	114	99
880-9663-19	T-4 (1')	142 S1+	84
880-9663-20	T-4 (2')	122	110
880-9663-20 MS	T-4 (2')	163 S1+	112
880-9663-21	T-4 (3')	127	103
880-9663-22	T-4 (4')	121	105
880-9663-23	T-4 (5')	138 S1+	101
880-9663-24	T-5 (0-1')	152 S1+	104
880-9663-25	T-5 (1')	136 S1+	103
880-9663-26	T-5 (2')	125	85
880-9663-27	T-5 (3')	113	102
880-9663-28	T-5 (4')	154 S1+	104
880-9663-29	T-5 (5')	129	83
880-9663-30	T-5 (6')	141 S1+	110
880-9663-31	T-6 (0-1')	97	85
880-9663-32	T-6 (1')	105	90
880-9663-33	T-6 (2')	116	97
880-9663-34	T-6 (3')	117	101
880-9663-35	T-6 (4')	111	106
880-9663-36	T-6 (5')	110	99
880-9663-37	T-6 (6')	119	96
890-1744-A-4-D MS	Matrix Spike	117	97
890-1744-A-4-E MSD	Matrix Spike Duplicate	141 S1+	104
LCS 880-15437/1-A	Lab Control Sample	626 S1+	53 S1-
LCS 880-15492/1-A	Lab Control Sample	102	105
LCS 880-15624/1-A	Lab Control Sample	127	117
LCSD 880-15437/2-A	Lab Control Sample Dup	113	102
LCSD 880-15492/2-A	Lab Control Sample Dup	99	96
LCSD 880-15624/2-A	Lab Control Sample Dup	127	110
MB 880-15437/5-A	Method Blank	122	100

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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 880-15491/5-A	Method Blank	105	96				
MB 880-15492/5-A	Method Blank	117	107				
MB 880-15624/5-A	Method Blank	116	113				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
880-9663-21 MSD	T-4 (3')						
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)				
880-9663-1	T-1 (0-1')	118	117				
880-9663-1 MS	T-1 (0-1')	107	89				
880-9663-1 MSD	T-1 (0-1')	106	92				
880-9663-2	T-1 (1')	111	109				
880-9663-3	T-1 (2')	110	111				
880-9663-4	T-1 (3')	108	110				
880-9663-5	T-1 (4')	108	106				
880-9663-6	T-1 (5')	114	114				
880-9663-7	T-2 (0-1')	108	106				
880-9663-8	T-2 (1')	118	122				
880-9663-9	T-2 (2')	128	133 S1+				
880-9663-10	T-2 (3')	111	111				
880-9663-11	T-2 (4')	111	115				
880-9663-12	T-2 (5')	112	111				
880-9663-13	T-3 (0-1')	101	98				
880-9663-14	T-3 (1')	109	107				
880-9663-15	T-3 (2')	109	104				
880-9663-16	T-3 (3')	105	105				
880-9663-17	T-3 (4')	105	104				
880-9663-18	T-4 (0-1')	113	105				
880-9663-19	T-4 (1')	105	106				
880-9663-20	T-4 (2')	108	108				
880-9663-21	T-4 (3')	95	97				
880-9663-21 MS	T-4 (3')	100	85				
880-9663-21 MSD	T-4 (3')	100	84				
880-9663-22	T-4 (4')	102	103				

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
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)
880-9663-23	T-4 (5')	112	114
880-9663-24	T-5 (0-1')	97	96
880-9663-25	T-5 (1')	101	101
880-9663-26	T-5 (2')	100	101
880-9663-27	T-5 (3')	99	102
880-9663-28	T-5 (4')	104	106
880-9663-29	T-5 (5')	90	86
880-9663-30	T-5 (6')	99	95
880-9663-31	T-6 (0-1')	102	105
880-9663-32	T-6 (1')	96	97
880-9663-33	T-6 (2')	101	101
880-9663-34	T-6 (3')	99	101
880-9663-35	T-6 (4')	99	99
880-9663-36	T-6 (5')	95	97
880-9663-37	T-6 (6')	95	92
LCS 880-15607/2-A	Lab Control Sample	491 S1+	477 S1+
LCS 880-15658/2-A	Lab Control Sample	101	98
LCSD 880-15607/3-A	Lab Control Sample Dup	500 S1+	487 S1+
LCSD 880-15658/3-A	Lab Control Sample Dup	101	94
MB 880-15607/1-A	Method Blank	100	106
MB 880-15658/1-A	Method Blank	102	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15437/5-A

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 12:08	12/23/21 20:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 12:08	12/23/21 20:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/23/21 12:08	12/23/21 20:00	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/23/21 12:08	12/23/21 20:00	1

Lab Sample ID: LCS 880-15437/1-A

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.06355	*-	mg/Kg		64	70 - 130
Toluene	0.100	0.2411	*+	mg/Kg		241	70 - 130
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.1060	*-	mg/Kg		53	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	626	S1+	70 - 130
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130

Lab Sample ID: LCSD 880-15437/2-A

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08456		mg/Kg		85	70 - 130	28	35
Toluene	0.100	0.09326	*1	mg/Kg		93	70 - 130	88	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1964	*1	mg/Kg		98	70 - 130	60	35
o-Xylene	0.100	0.09728	*1	mg/Kg		97	70 - 130	123	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-1744-A-4-D MS

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U *-	0.0998	0.07463		mg/Kg		75	70 - 130
Toluene	<0.00200	U *1 *+ F1	0.0998	0.06904	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.05768	F1	mg/Kg		58	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-1744-A-4-D MS

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	<0.00401	U *1 *- F1	0.200	0.1137	F1	mg/Kg		57	70 - 130
o-Xylene	<0.00200	U *1 *+ F1	0.0998	0.06154	F1	mg/Kg		62	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	117		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 890-1744-A-4-E MSD

Matrix: Solid

Analysis Batch: 15427

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 15437

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U *-	0.0994	0.08482		mg/Kg		85	70 - 130	13	35
Toluene	<0.00200	U *1 *+ F1	0.0994	0.08707		mg/Kg		87	70 - 130	23	35
Ethylbenzene	<0.00200	U F1	0.0994	0.08127		mg/Kg		82	70 - 130	34	35
m-Xylene & p-Xylene	<0.00401	U *1 *- F1	0.199	0.1553		mg/Kg		78	70 - 130	31	35
o-Xylene	<0.00200	U *1 *+ F1	0.0994	0.07869		mg/Kg		79	70 - 130	24	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: MB 880-15491/5-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 16:31	12/23/21 20:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/23/21 16:31	12/23/21 20:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/23/21 16:31	12/23/21 20:11	1

Lab Sample ID: MB 880-15492/5-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/23/21 16:34	12/24/21 07:02	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-15492/5-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/23/21 16:34	12/24/21 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/23/21 16:34	12/24/21 07:02	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/23/21 16:34	12/24/21 07:02	1

Lab Sample ID: LCS 880-15492/1-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07953		mg/Kg		80	70 - 130
Toluene	0.100	0.07585		mg/Kg		76	70 - 130
Ethylbenzene	0.100	0.07416		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.200	0.1536		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07699		mg/Kg		77	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		70 - 130				
1,4-Difluorobenzene (Surr)	105		70 - 130				

Lab Sample ID: LCSD 880-15492/2-A

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08037		mg/Kg		80	70 - 130	1	35
Toluene	0.100	0.08102		mg/Kg		81	70 - 130	7	35
Ethylbenzene	0.100	0.08025		mg/Kg		80	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1672		mg/Kg		84	70 - 130	8	35
o-Xylene	0.100	0.08266		mg/Kg		83	70 - 130	7	35
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: 880-9655-A-11-F MS

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.04812	F1	mg/Kg		48	70 - 130
Toluene	0.0274	F1	0.0998	0.04869	F1	mg/Kg		21	70 - 130
Ethylbenzene	0.00462	F1	0.0998	0.05995	F1	mg/Kg		55	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1077	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.05583	F1	mg/Kg		56	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9655-A-11-F MS

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 15492

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-9655-A-11-G MSD

Matrix: Solid

Analysis Batch: 15482

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 15492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.03705	F1	mg/Kg		37	70 - 130	26	35
Toluene	0.0274	F1	0.101	0.04481	F1	mg/Kg		17	70 - 130	8	35
Ethylbenzene	0.00462	F1	0.101	0.04783	F1	mg/Kg		43	70 - 130	22	35
m-Xylene & p-Xylene	<0.00399	U F1	0.202	0.1091	F1	mg/Kg		52	70 - 130	1	35
o-Xylene	<0.00200	U F1	0.101	0.05489	F1	mg/Kg		54	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-15624/5-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/21 10:04	12/28/21 13:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/21 10:04	12/28/21 13:45	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	116		70 - 130	12/28/21 10:04	12/28/21 13:45	1			
1,4-Difluorobenzene (Surr)	113		70 - 130	12/28/21 10:04	12/28/21 13:45	1			

Lab Sample ID: LCS 880-15624/1-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09091		mg/Kg		91	70 - 130
Toluene	0.100	0.09098		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09312		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1930		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09386		mg/Kg		94	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-15624/1-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15624

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: LCSD 880-15624/2-A

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15624

			Spike	LCS	LCS						RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limits
Benzene			0.100	0.08508		mg/Kg		85	70 - 130	7	35
Toluene			0.100	0.08625		mg/Kg		86	70 - 130	5	35
Ethylbenzene			0.100	0.09039		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1865		mg/Kg		93	70 - 130	3	35
o-Xylene			0.100	0.09326		mg/Kg		93	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-9663-20 MS

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: T-4 (2')

Prep Type: Total/NA

Prep Batch: 15624

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202	U	0.0998	0.08836		mg/Kg		89	70 - 130		
Toluene	<0.00202	U	0.0998	0.09046		mg/Kg		91	70 - 130		
Ethylbenzene	<0.00202	U	0.0998	0.1096		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2320		mg/Kg		116	70 - 130		
o-Xylene	<0.00202	U	0.0998	0.1159		mg/Kg		116	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-9663-21 MSD

Matrix: Solid

Analysis Batch: 15623

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15624

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.0994	0.07938		mg/Kg					
Toluene	<0.00199	U	0.0994	0.09437		mg/Kg					
Ethylbenzene	<0.00199	U	0.0994	0.1163		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2233		mg/Kg					
o-Xylene	<0.00199	U	0.0994	0.1114		mg/Kg					

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-15607/1-A

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15607

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		12/28/21 08:30	12/28/21 14:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 14:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 08:30	12/28/21 14:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/28/21 08:30	12/28/21 14:01	1
o-Terphenyl	106		70 - 130				12/28/21 08:30	12/28/21 14:01	1

Lab Sample ID: LCS 880-15607/2-A

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1142		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1144		mg/Kg		114	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	491	S1+	70 - 130				
o-Terphenyl	477	S1+	70 - 130				

Lab Sample ID: LCSD 880-15607/3-A

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1182		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1168		mg/Kg		117	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	500	S1+	70 - 130						
o-Terphenyl	487	S1+	70 - 130						

Lab Sample ID: 880-9663-21 MS

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	872.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	822.4		mg/Kg		83	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-9663-21 MS

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15607

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 880-9663-21 MSD

Matrix: Solid

Analysis Batch: 15643

Client Sample ID: T-4 (3')

Prep Type: Total/NA

Prep Batch: 15607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	905.6		mg/Kg		89	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	819.4		mg/Kg		82	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: MB 880-15658/1-A

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15658

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		12/28/21 13:45	12/29/21 10:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 10:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/21 13:45	12/29/21 10:06	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	102		70 - 130	12/28/21 13:45	12/29/21 10:06	1			
o-Terphenyl	109		70 - 130	12/28/21 13:45	12/29/21 10:06	1			

Lab Sample ID: LCS 880-15658/2-A

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	500	483.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	500	445.7		mg/Kg		89	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-15658/3-A

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 15658

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	500	458.8		mg/Kg		92	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	500	439.1		mg/Kg		88	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 880-9663-1 MS

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 15658

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	<49.9	U	996	899.9		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	441	F1	996	937.9	F1	mg/Kg		50	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	89		70 - 130								

Lab Sample ID: 880-9663-1 MSD

Matrix: Solid

Analysis Batch: 15680

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 15658

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	901.9		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	441	F1	999	980.2	F1	mg/Kg		54	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-15397/1-A

Matrix: Solid

Analysis Batch: 15657

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			12/29/21 02:29	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-15397/2-A

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.5		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-15397/3-A

Matrix: Solid

Analysis Batch: 15657

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	247.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-9663-25 MS

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-5 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2560	F1	1260	3905		mg/Kg		107	90 - 110

Lab Sample ID: 880-9663-25 MSD

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-5 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2560	F1	1260	3967	F1	mg/Kg		112	90 - 110	2	20

Lab Sample ID: 880-9663-35 MS

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-6 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2210	F1	1250	3271	F1	mg/Kg		85	90 - 110

Lab Sample ID: 880-9663-35 MSD

Matrix: Solid

Analysis Batch: 15657

Client Sample ID: T-6 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2210	F1	1250	3252	F1	mg/Kg		84	90 - 110	1	20

Lab Sample ID: MB 880-15396/1-A

Matrix: Solid

Analysis Batch: 15660

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			12/29/21 06:23	1

Lab Sample ID: LCS 880-15396/2-A

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	238.7		mg/Kg		95	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-15396/3-A

Matrix: Solid

Analysis Batch: 15660

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	232.3		mg/Kg		93	90 - 110	3	20

Lab Sample ID: 880-9663-5 MS

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: T-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1390		1260	2609		mg/Kg		97	90 - 110		

Lab Sample ID: 880-9663-5 MSD

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: T-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1390		1260	2625		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-9663-15 MS

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: T-3 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.99	U F1	250	208.3	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-9663-15 MSD

Matrix: Solid

Analysis Batch: 15660

Client Sample ID: T-3 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.99	U F1	250	216.4	F1	mg/Kg		86	90 - 110	4	20

Lab Sample ID: MB 880-15395/1-A

Matrix: Solid

Analysis Batch: 15661

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			12/28/21 19:07	1

Lab Sample ID: LCS 880-15395/2-A

Matrix: Solid

Analysis Batch: 15661

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-15395/3-A

Matrix: Solid

Analysis Batch: 15661

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	250.3		mg/Kg		100	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9655-A-11-D MS

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 15661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.49		250	251.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-9655-A-11-E MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 15661

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.49		250	248.6		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 15427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8021B	15437
880-9663-2	T-1 (1')	Total/NA	Solid	8021B	15437
880-9663-3	T-1 (2')	Total/NA	Solid	8021B	15437
880-9663-4	T-1 (3')	Total/NA	Solid	8021B	15437
880-9663-5	T-1 (4')	Total/NA	Solid	8021B	15437
880-9663-6	T-1 (5')	Total/NA	Solid	8021B	15437
880-9663-7	T-2 (0-1')	Total/NA	Solid	8021B	15437
880-9663-8	T-2 (1')	Total/NA	Solid	8021B	15437
880-9663-9	T-2 (2')	Total/NA	Solid	8021B	15437
880-9663-10	T-2 (3')	Total/NA	Solid	8021B	15437
880-9663-11	T-2 (4')	Total/NA	Solid	8021B	15437
880-9663-12	T-2 (5')	Total/NA	Solid	8021B	15437
880-9663-13	T-3 (0-1')	Total/NA	Solid	8021B	15437
880-9663-14	T-3 (1')	Total/NA	Solid	8021B	15437
880-9663-15	T-3 (2')	Total/NA	Solid	8021B	15437
MB 880-15437/5-A	Method Blank	Total/NA	Solid	8021B	15437
LCS 880-15437/1-A	Lab Control Sample	Total/NA	Solid	8021B	15437
LCSD 880-15437/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15437
890-1744-A-4-D MS	Matrix Spike	Total/NA	Solid	8021B	15437
890-1744-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15437

Prep Batch: 15437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	5035	
880-9663-2	T-1 (1')	Total/NA	Solid	5035	
880-9663-3	T-1 (2')	Total/NA	Solid	5035	
880-9663-4	T-1 (3')	Total/NA	Solid	5035	
880-9663-5	T-1 (4')	Total/NA	Solid	5035	
880-9663-6	T-1 (5')	Total/NA	Solid	5035	
880-9663-7	T-2 (0-1')	Total/NA	Solid	5035	
880-9663-8	T-2 (1')	Total/NA	Solid	5035	
880-9663-9	T-2 (2')	Total/NA	Solid	5035	
880-9663-10	T-2 (3')	Total/NA	Solid	5035	
880-9663-11	T-2 (4')	Total/NA	Solid	5035	
880-9663-12	T-2 (5')	Total/NA	Solid	5035	
880-9663-13	T-3 (0-1')	Total/NA	Solid	5035	
880-9663-14	T-3 (1')	Total/NA	Solid	5035	
880-9663-15	T-3 (2')	Total/NA	Solid	5035	
MB 880-15437/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15437/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15437/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1744-A-4-D MS	Matrix Spike	Total/NA	Solid	5035	
890-1744-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-16	T-3 (3')	Total/NA	Solid	8021B	15492
880-9663-17	T-3 (4')	Total/NA	Solid	8021B	15492
880-9663-18	T-4 (0-1')	Total/NA	Solid	8021B	15492
880-9663-19	T-4 (1')	Total/NA	Solid	8021B	15492
MB 880-15491/5-A	Method Blank	Total/NA	Solid	8021B	15491

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QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15482 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15492/5-A	Method Blank	Total/NA	Solid	8021B	15492
LCS 880-15492/1-A	Lab Control Sample	Total/NA	Solid	8021B	15492
LCSD 880-15492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15492
880-9655-A-11-F MS	Matrix Spike	Total/NA	Solid	8021B	15492
880-9655-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	15492

Prep Batch: 15491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-15491/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 15492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-16	T-3 (3')	Total/NA	Solid	5035	
880-9663-17	T-3 (4')	Total/NA	Solid	5035	
880-9663-18	T-4 (0-1')	Total/NA	Solid	5035	
880-9663-19	T-4 (1')	Total/NA	Solid	5035	
MB 880-15492/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9655-A-11-F MS	Matrix Spike	Total/NA	Solid	5035	
880-9655-A-11-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-16	T-3 (3')	Total/NA	Solid	Total BTEX	
880-9663-17	T-3 (4')	Total/NA	Solid	Total BTEX	
880-9663-18	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-19	T-4 (1')	Total/NA	Solid	Total BTEX	

Analysis Batch: 15623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-20	T-4 (2')	Total/NA	Solid	8021B	15624
880-9663-21	T-4 (3')	Total/NA	Solid	8021B	15624
880-9663-22	T-4 (4')	Total/NA	Solid	8021B	15624
880-9663-23	T-4 (5')	Total/NA	Solid	8021B	15624
880-9663-24	T-5 (0-1')	Total/NA	Solid	8021B	15624
880-9663-25	T-5 (1')	Total/NA	Solid	8021B	15624
880-9663-26	T-5 (2')	Total/NA	Solid	8021B	15624
880-9663-27	T-5 (3')	Total/NA	Solid	8021B	15624
880-9663-28	T-5 (4')	Total/NA	Solid	8021B	15624
880-9663-29	T-5 (5')	Total/NA	Solid	8021B	15624
880-9663-30	T-5 (6')	Total/NA	Solid	8021B	15624
880-9663-31	T-6 (0-1')	Total/NA	Solid	8021B	15624
880-9663-32	T-6 (1')	Total/NA	Solid	8021B	15624
880-9663-33	T-6 (2')	Total/NA	Solid	8021B	15624
880-9663-34	T-6 (3')	Total/NA	Solid	8021B	15624
880-9663-35	T-6 (4')	Total/NA	Solid	8021B	15624
880-9663-36	T-6 (5')	Total/NA	Solid	8021B	15624
880-9663-37	T-6 (6')	Total/NA	Solid	8021B	15624
MB 880-15624/5-A	Method Blank	Total/NA	Solid	8021B	15624
LCS 880-15624/1-A	Lab Control Sample	Total/NA	Solid	8021B	15624

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QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-15624/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	15624
880-9663-20 MS	T-4 (2')	Total/NA	Solid	8021B	15624
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	8021B	15624

Prep Batch: 15624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-20	T-4 (2')	Total/NA	Solid	5035	
880-9663-21	T-4 (3')	Total/NA	Solid	5035	
880-9663-22	T-4 (4')	Total/NA	Solid	5035	
880-9663-23	T-4 (5')	Total/NA	Solid	5035	
880-9663-24	T-5 (0-1')	Total/NA	Solid	5035	
880-9663-25	T-5 (1')	Total/NA	Solid	5035	
880-9663-26	T-5 (2')	Total/NA	Solid	5035	
880-9663-27	T-5 (3')	Total/NA	Solid	5035	
880-9663-28	T-5 (4')	Total/NA	Solid	5035	
880-9663-29	T-5 (5')	Total/NA	Solid	5035	
880-9663-30	T-5 (6')	Total/NA	Solid	5035	
880-9663-31	T-6 (0-1')	Total/NA	Solid	5035	
880-9663-32	T-6 (1')	Total/NA	Solid	5035	
880-9663-33	T-6 (2')	Total/NA	Solid	5035	
880-9663-34	T-6 (3')	Total/NA	Solid	5035	
880-9663-35	T-6 (4')	Total/NA	Solid	5035	
880-9663-36	T-6 (5')	Total/NA	Solid	5035	
880-9663-37	T-6 (6')	Total/NA	Solid	5035	
MB 880-15624/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-15624/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-15624/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9663-20 MS	T-4 (2')	Total/NA	Solid	5035	
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	5035	

Analysis Batch: 15797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-2	T-1 (1')	Total/NA	Solid	Total BTEX	
880-9663-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-9663-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-9663-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-9663-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-9663-7	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-8	T-2 (1')	Total/NA	Solid	Total BTEX	
880-9663-9	T-2 (2')	Total/NA	Solid	Total BTEX	
880-9663-10	T-2 (3')	Total/NA	Solid	Total BTEX	
880-9663-11	T-2 (4')	Total/NA	Solid	Total BTEX	
880-9663-12	T-2 (5')	Total/NA	Solid	Total BTEX	
880-9663-13	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-14	T-3 (1')	Total/NA	Solid	Total BTEX	
880-9663-15	T-3 (2')	Total/NA	Solid	Total BTEX	
880-9663-20	T-4 (2')	Total/NA	Solid	Total BTEX	
880-9663-21	T-4 (3')	Total/NA	Solid	Total BTEX	
880-9663-22	T-4 (4')	Total/NA	Solid	Total BTEX	
880-9663-23	T-4 (5')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 15797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-24	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-25	T-5 (1')	Total/NA	Solid	Total BTEX	
880-9663-26	T-5 (2')	Total/NA	Solid	Total BTEX	
880-9663-27	T-5 (3')	Total/NA	Solid	Total BTEX	
880-9663-28	T-5 (4')	Total/NA	Solid	Total BTEX	
880-9663-29	T-5 (5')	Total/NA	Solid	Total BTEX	
880-9663-30	T-5 (6')	Total/NA	Solid	Total BTEX	
880-9663-31	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-9663-32	T-6 (1')	Total/NA	Solid	Total BTEX	
880-9663-33	T-6 (2')	Total/NA	Solid	Total BTEX	
880-9663-34	T-6 (3')	Total/NA	Solid	Total BTEX	
880-9663-35	T-6 (4')	Total/NA	Solid	Total BTEX	
880-9663-36	T-6 (5')	Total/NA	Solid	Total BTEX	
880-9663-37	T-6 (6')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 15607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-21	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-9663-22	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-9663-23	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-9663-24	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-25	T-5 (1')	Total/NA	Solid	8015NM Prep	
880-9663-26	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-9663-27	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-9663-28	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-9663-29	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-9663-30	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-9663-31	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-32	T-6 (1')	Total/NA	Solid	8015NM Prep	
880-9663-33	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-9663-34	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-9663-35	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-9663-36	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-9663-37	T-6 (6')	Total/NA	Solid	8015NM Prep	
MB 880-15607/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15607/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15607/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9663-21 MS	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-21	T-4 (3')	Total/NA	Solid	8015B NM	15607
880-9663-22	T-4 (4')	Total/NA	Solid	8015B NM	15607
880-9663-23	T-4 (5')	Total/NA	Solid	8015B NM	15607
880-9663-24	T-5 (0-1')	Total/NA	Solid	8015B NM	15607
880-9663-25	T-5 (1')	Total/NA	Solid	8015B NM	15607
880-9663-26	T-5 (2')	Total/NA	Solid	8015B NM	15607
880-9663-27	T-5 (3')	Total/NA	Solid	8015B NM	15607

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-28	T-5 (4')	Total/NA	Solid	8015B NM	15607
880-9663-29	T-5 (5')	Total/NA	Solid	8015B NM	15607
880-9663-30	T-5 (6')	Total/NA	Solid	8015B NM	15607
880-9663-31	T-6 (0-1')	Total/NA	Solid	8015B NM	15607
880-9663-32	T-6 (1')	Total/NA	Solid	8015B NM	15607
880-9663-33	T-6 (2')	Total/NA	Solid	8015B NM	15607
880-9663-34	T-6 (3')	Total/NA	Solid	8015B NM	15607
880-9663-35	T-6 (4')	Total/NA	Solid	8015B NM	15607
880-9663-36	T-6 (5')	Total/NA	Solid	8015B NM	15607
880-9663-37	T-6 (6')	Total/NA	Solid	8015B NM	15607
MB 880-15607/1-A	Method Blank	Total/NA	Solid	8015B NM	15607
LCS 880-15607/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15607
LCSD 880-15607/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15607
880-9663-21 MS	T-4 (3')	Total/NA	Solid	8015B NM	15607
880-9663-21 MSD	T-4 (3')	Total/NA	Solid	8015B NM	15607

Prep Batch: 15658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-2	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-9663-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-9663-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-9663-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-9663-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-9663-7	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-8	T-2 (1')	Total/NA	Solid	8015NM Prep	
880-9663-9	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-9663-10	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-9663-11	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-9663-12	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-9663-13	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-14	T-3 (1')	Total/NA	Solid	8015NM Prep	
880-9663-15	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-9663-16	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-9663-17	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-9663-18	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-19	T-4 (1')	Total/NA	Solid	8015NM Prep	
880-9663-20	T-4 (2')	Total/NA	Solid	8015NM Prep	
MB 880-15658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-15658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-15658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9663-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9663-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-2	T-1 (1')	Total/NA	Solid	8015B NM	15658
880-9663-3	T-1 (2')	Total/NA	Solid	8015B NM	15658
880-9663-4	T-1 (3')	Total/NA	Solid	8015B NM	15658
880-9663-5	T-1 (4')	Total/NA	Solid	8015B NM	15658

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-6	T-1 (5')	Total/NA	Solid	8015B NM	15658
880-9663-7	T-2 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-8	T-2 (1')	Total/NA	Solid	8015B NM	15658
880-9663-9	T-2 (2')	Total/NA	Solid	8015B NM	15658
880-9663-10	T-2 (3')	Total/NA	Solid	8015B NM	15658
880-9663-11	T-2 (4')	Total/NA	Solid	8015B NM	15658
880-9663-12	T-2 (5')	Total/NA	Solid	8015B NM	15658
880-9663-13	T-3 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-14	T-3 (1')	Total/NA	Solid	8015B NM	15658
880-9663-15	T-3 (2')	Total/NA	Solid	8015B NM	15658
880-9663-16	T-3 (3')	Total/NA	Solid	8015B NM	15658
880-9663-17	T-3 (4')	Total/NA	Solid	8015B NM	15658
880-9663-18	T-4 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-19	T-4 (1')	Total/NA	Solid	8015B NM	15658
880-9663-20	T-4 (2')	Total/NA	Solid	8015B NM	15658
MB 880-15658/1-A	Method Blank	Total/NA	Solid	8015B NM	15658
LCS 880-15658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	15658
LCSD 880-15658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	15658
880-9663-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	15658
880-9663-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	15658

Analysis Batch: 15789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-9663-2	T-1 (1')	Total/NA	Solid	8015 NM	
880-9663-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-9663-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-9663-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-9663-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-9663-7	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-9663-8	T-2 (1')	Total/NA	Solid	8015 NM	
880-9663-9	T-2 (2')	Total/NA	Solid	8015 NM	
880-9663-10	T-2 (3')	Total/NA	Solid	8015 NM	
880-9663-11	T-2 (4')	Total/NA	Solid	8015 NM	
880-9663-12	T-2 (5')	Total/NA	Solid	8015 NM	
880-9663-13	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-9663-14	T-3 (1')	Total/NA	Solid	8015 NM	
880-9663-15	T-3 (2')	Total/NA	Solid	8015 NM	
880-9663-16	T-3 (3')	Total/NA	Solid	8015 NM	
880-9663-17	T-3 (4')	Total/NA	Solid	8015 NM	
880-9663-18	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-9663-19	T-4 (1')	Total/NA	Solid	8015 NM	
880-9663-20	T-4 (2')	Total/NA	Solid	8015 NM	

Analysis Batch: 15798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-21	T-4 (3')	Total/NA	Solid	8015 NM	
880-9663-22	T-4 (4')	Total/NA	Solid	8015 NM	
880-9663-23	T-4 (5')	Total/NA	Solid	8015 NM	
880-9663-24	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-9663-25	T-5 (1')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-26	T-5 (2')	Total/NA	Solid	8015 NM	
880-9663-27	T-5 (3')	Total/NA	Solid	8015 NM	
880-9663-28	T-5 (4')	Total/NA	Solid	8015 NM	
880-9663-29	T-5 (5')	Total/NA	Solid	8015 NM	
880-9663-30	T-5 (6')	Total/NA	Solid	8015 NM	
880-9663-31	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-9663-32	T-6 (1')	Total/NA	Solid	8015 NM	
880-9663-33	T-6 (2')	Total/NA	Solid	8015 NM	
880-9663-34	T-6 (3')	Total/NA	Solid	8015 NM	
880-9663-35	T-6 (4')	Total/NA	Solid	8015 NM	
880-9663-36	T-6 (5')	Total/NA	Solid	8015 NM	
880-9663-37	T-6 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 15395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9663-2	T-1 (1')	Soluble	Solid	DI Leach	
880-9663-3	T-1 (2')	Soluble	Solid	DI Leach	
880-9663-4	T-1 (3')	Soluble	Solid	DI Leach	
MB 880-15395/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15395/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15395/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9655-A-11-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9655-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 15396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-5	T-1 (4')	Soluble	Solid	DI Leach	
880-9663-6	T-1 (5')	Soluble	Solid	DI Leach	
880-9663-7	T-2 (0-1')	Soluble	Solid	DI Leach	
880-9663-8	T-2 (1')	Soluble	Solid	DI Leach	
880-9663-9	T-2 (2')	Soluble	Solid	DI Leach	
880-9663-10	T-2 (3')	Soluble	Solid	DI Leach	
880-9663-11	T-2 (4')	Soluble	Solid	DI Leach	
880-9663-12	T-2 (5')	Soluble	Solid	DI Leach	
880-9663-13	T-3 (0-1')	Soluble	Solid	DI Leach	
880-9663-14	T-3 (1')	Soluble	Solid	DI Leach	
880-9663-15	T-3 (2')	Soluble	Solid	DI Leach	
880-9663-16	T-3 (3')	Soluble	Solid	DI Leach	
880-9663-17	T-3 (4')	Soluble	Solid	DI Leach	
880-9663-18	T-4 (0-1')	Soluble	Solid	DI Leach	
880-9663-19	T-4 (1')	Soluble	Solid	DI Leach	
880-9663-20	T-4 (2')	Soluble	Solid	DI Leach	
880-9663-21	T-4 (3')	Soluble	Solid	DI Leach	
880-9663-22	T-4 (4')	Soluble	Solid	DI Leach	
880-9663-23	T-4 (5')	Soluble	Solid	DI Leach	
880-9663-24	T-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-15396/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15396/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 15396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-15396/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9663-5 MS	T-1 (4')	Soluble	Solid	DI Leach	
880-9663-5 MSD	T-1 (4')	Soluble	Solid	DI Leach	
880-9663-15 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-9663-15 MSD	T-3 (2')	Soluble	Solid	DI Leach	

Leach Batch: 15397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-25	T-5 (1')	Soluble	Solid	DI Leach	
880-9663-26	T-5 (2')	Soluble	Solid	DI Leach	
880-9663-27	T-5 (3')	Soluble	Solid	DI Leach	
880-9663-28	T-5 (4')	Soluble	Solid	DI Leach	
880-9663-29	T-5 (5')	Soluble	Solid	DI Leach	
880-9663-30	T-5 (6')	Soluble	Solid	DI Leach	
880-9663-31	T-6 (0-1')	Soluble	Solid	DI Leach	
880-9663-32	T-6 (1')	Soluble	Solid	DI Leach	
880-9663-33	T-6 (2')	Soluble	Solid	DI Leach	
880-9663-34	T-6 (3')	Soluble	Solid	DI Leach	
880-9663-35	T-6 (4')	Soluble	Solid	DI Leach	
880-9663-36	T-6 (5')	Soluble	Solid	DI Leach	
880-9663-37	T-6 (6')	Soluble	Solid	DI Leach	
MB 880-15397/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15397/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15397/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9663-25 MS	T-5 (1')	Soluble	Solid	DI Leach	
880-9663-25 MSD	T-5 (1')	Soluble	Solid	DI Leach	
880-9663-35 MS	T-6 (4')	Soluble	Solid	DI Leach	
880-9663-35 MSD	T-6 (4')	Soluble	Solid	DI Leach	

Analysis Batch: 15657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-25	T-5 (1')	Soluble	Solid	300.0	15397
880-9663-26	T-5 (2')	Soluble	Solid	300.0	15397
880-9663-27	T-5 (3')	Soluble	Solid	300.0	15397
880-9663-28	T-5 (4')	Soluble	Solid	300.0	15397
880-9663-29	T-5 (5')	Soluble	Solid	300.0	15397
880-9663-30	T-5 (6')	Soluble	Solid	300.0	15397
880-9663-31	T-6 (0-1')	Soluble	Solid	300.0	15397
880-9663-32	T-6 (1')	Soluble	Solid	300.0	15397
880-9663-33	T-6 (2')	Soluble	Solid	300.0	15397
880-9663-34	T-6 (3')	Soluble	Solid	300.0	15397
880-9663-35	T-6 (4')	Soluble	Solid	300.0	15397
880-9663-36	T-6 (5')	Soluble	Solid	300.0	15397
880-9663-37	T-6 (6')	Soluble	Solid	300.0	15397
MB 880-15397/1-A	Method Blank	Soluble	Solid	300.0	15397
LCS 880-15397/2-A	Lab Control Sample	Soluble	Solid	300.0	15397
LCSD 880-15397/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15397
880-9663-25 MS	T-5 (1')	Soluble	Solid	300.0	15397
880-9663-25 MSD	T-5 (1')	Soluble	Solid	300.0	15397
880-9663-35 MS	T-6 (4')	Soluble	Solid	300.0	15397
880-9663-35 MSD	T-6 (4')	Soluble	Solid	300.0	15397

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

HPLC/IC

Analysis Batch: 15660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-5	T-1 (4')	Soluble	Solid	300.0	15396
880-9663-6	T-1 (5')	Soluble	Solid	300.0	15396
880-9663-7	T-2 (0-1')	Soluble	Solid	300.0	15396
880-9663-8	T-2 (1')	Soluble	Solid	300.0	15396
880-9663-9	T-2 (2')	Soluble	Solid	300.0	15396
880-9663-10	T-2 (3')	Soluble	Solid	300.0	15396
880-9663-11	T-2 (4')	Soluble	Solid	300.0	15396
880-9663-12	T-2 (5')	Soluble	Solid	300.0	15396
880-9663-13	T-3 (0-1')	Soluble	Solid	300.0	15396
880-9663-14	T-3 (1')	Soluble	Solid	300.0	15396
880-9663-15	T-3 (2')	Soluble	Solid	300.0	15396
880-9663-16	T-3 (3')	Soluble	Solid	300.0	15396
880-9663-17	T-3 (4')	Soluble	Solid	300.0	15396
880-9663-18	T-4 (0-1')	Soluble	Solid	300.0	15396
880-9663-19	T-4 (1')	Soluble	Solid	300.0	15396
880-9663-20	T-4 (2')	Soluble	Solid	300.0	15396
880-9663-21	T-4 (3')	Soluble	Solid	300.0	15396
880-9663-22	T-4 (4')	Soluble	Solid	300.0	15396
880-9663-23	T-4 (5')	Soluble	Solid	300.0	15396
880-9663-24	T-5 (0-1')	Soluble	Solid	300.0	15396
MB 880-15396/1-A	Method Blank	Soluble	Solid	300.0	15396
LCS 880-15396/2-A	Lab Control Sample	Soluble	Solid	300.0	15396
LCSD 880-15396/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15396
880-9663-5 MS	T-1 (4')	Soluble	Solid	300.0	15396
880-9663-5 MSD	T-1 (4')	Soluble	Solid	300.0	15396
880-9663-15 MS	T-3 (2')	Soluble	Solid	300.0	15396
880-9663-15 MSD	T-3 (2')	Soluble	Solid	300.0	15396

Analysis Batch: 15661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9663-1	T-1 (0-1')	Soluble	Solid	300.0	15395
880-9663-2	T-1 (1')	Soluble	Solid	300.0	15395
880-9663-3	T-1 (2')	Soluble	Solid	300.0	15395
880-9663-4	T-1 (3')	Soluble	Solid	300.0	15395
MB 880-15395/1-A	Method Blank	Soluble	Solid	300.0	15395
LCS 880-15395/2-A	Lab Control Sample	Soluble	Solid	300.0	15395
LCSD 880-15395/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15395
880-9655-A-11-D MS	Matrix Spike	Soluble	Solid	300.0	15395
880-9655-A-11-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15395

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-9663-1

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 22:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 11:12	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		5			15661	12/28/21 23:32	CH	XEN MID

Client Sample ID: T-1 (1')

Lab Sample ID: 880-9663-2

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 22:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 12:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		5			15661	12/28/21 23:42	CH	XEN MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-9663-3

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 22:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 12:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		5			15661	12/28/21 23:52	CH	XEN MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9663-4

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 23:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-9663-4

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15395	12/22/21 17:20	CA	XEN MID
Soluble	Analysis	300.0		10			15661	12/29/21 00:02	CH	XEN MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-9663-5

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/23/21 23:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 06:43	CH	XEN MID

Client Sample ID: T-1 (5')

Lab Sample ID: 880-9663-6

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 01:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 13:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:03	CH	XEN MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 01:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 14:01	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-9663-7

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 07:10	CH	XEN MID

Client Sample ID: T-2 (1')

Lab Sample ID: 880-9663-8

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 02:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 14:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 07:16	CH	XEN MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-9663-9

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 02:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		5			15660	12/29/21 07:23	CH	XEN MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-9663-10

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 02:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 15:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:43	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-9663-11

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 03:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:49	CH	XEN MID

Client Sample ID: T-2 (5')

Lab Sample ID: 880-9663-12

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 03:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 07:56	CH	XEN MID

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-9663-13

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 03:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:03	CH	XEN MID

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 04:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (1')

Lab Sample ID: 880-9663-14

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:09	CH	XEN MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-9663-15

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15437	12/23/21 12:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15427	12/24/21 04:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:16	CH	XEN MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-9663-16

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 13:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:36	CH	XEN MID

Client Sample ID: T-3 (4')

Lab Sample ID: 880-9663-17

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 14:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 17:51	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-3 (4')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 08:43	CH	XEN MID

Client Sample ID: T-4 (0-1')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 14:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:03	CH	XEN MID

Client Sample ID: T-4 (1')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	15492	12/23/21 16:34	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15482	12/24/21 14:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15612	12/28/21 08:37	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:09	CH	XEN MID

Client Sample ID: T-4 (2')

Date Collected: 12/21/21 00:00

Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 14:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15789	12/30/21 09:39	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15658	12/28/21 13:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15680	12/29/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:16	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-9663-21

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 14:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:23	CH	XEN MID

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9663-22

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 14:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 16:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:29	CH	XEN MID

Client Sample ID: T-4 (5')

Lab Sample ID: 880-9663-23

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 15:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 16:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:36	CH	XEN MID

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-9663-24

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 15:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-9663-24

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 17:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15396	12/22/21 17:22	CA	XEN MID
Soluble	Analysis	300.0		1			15660	12/29/21 09:43	CH	XEN MID

Client Sample ID: T-5 (1')

Lab Sample ID: 880-9663-25

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 15:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 02:49	CH	XEN MID

Client Sample ID: T-5 (2')

Lab Sample ID: 880-9663-26

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 16:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:09	CH	XEN MID

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 16:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 18:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-9663-27

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:16	CH	XEN MID

Client Sample ID: T-5 (4')

Lab Sample ID: 880-9663-28

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 16:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 18:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:23	CH	XEN MID

Client Sample ID: T-5 (5')

Lab Sample ID: 880-9663-29

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 17:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 19:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 03:30	CH	XEN MID

Client Sample ID: T-5 (6')

Lab Sample ID: 880-9663-30

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 18:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 03:50	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-9663-31

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 18:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 20:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 03:56	CH	XEN MID

Client Sample ID: T-6 (1')

Lab Sample ID: 880-9663-32

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 19:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 04:03	CH	XEN MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-9663-33

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 19:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 20:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 04:10	CH	XEN MID

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 19:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-9663-34

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 21:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 04:16	CH	XEN MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-9663-35

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 20:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 21:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		5			15657	12/29/21 04:23	CH	XEN MID

Client Sample ID: T-6 (5')

Lab Sample ID: 880-9663-36

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 20:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 21:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 04:43	CH	XEN MID

Client Sample ID: T-6 (6')

Lab Sample ID: 880-9663-37

Date Collected: 12/21/21 00:00

Matrix: Solid

Date Received: 12/22/21 15:31

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	15624	12/28/21 10:04	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	15623	12/28/21 20:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15797	12/30/21 10:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			15798	12/30/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	15607	12/28/21 08:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15643	12/28/21 22:22	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Client Sample ID: T-6 (6')
Date Collected: 12/21/21 00:00
Date Received: 12/22/21 15:31

Lab Sample ID: 880-9663-37
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			5.02 g	50 mL	15397	12/22/21 17:26	CA	XEN MID
Soluble	Analysis	300.0		1			15657	12/29/21 04:50	CH	XEN MID

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

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

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

Method Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Cosmo Booster

Job ID: 880-9663-1
SDG: Lea Co, NM

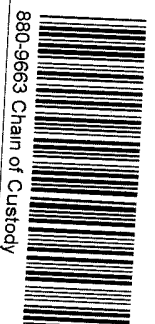
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9663-1	T-1 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-2	T-1 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-3	T-1 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-4	T-1 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-5	T-1 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-6	T-1 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-7	T-2 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-8	T-2 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-9	T-2 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-10	T-2 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-11	T-2 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-12	T-2 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-13	T-3 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-14	T-3 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-15	T-3 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-16	T-3 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-17	T-3 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-18	T-4 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-19	T-4 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-20	T-4 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-21	T-4 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-22	T-4 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-23	T-4 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-24	T-5 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-25	T-5 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-26	T-5 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-27	T-5 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-28	T-5 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-29	T-5 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-30	T-5 (6')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-31	T-6 (0-1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-32	T-6 (1')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-33	T-6 (2')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-34	T-6 (3')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-35	T-6 (4')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-36	T-6 (5')	Solid	12/21/21 00:00	12/22/21 15:31
880-9663-37	T-6 (6')	Solid	12/21/21 00:00	12/22/21 15:31

NTG

ENVIRONMENTAL

Project Manager	Mike Carmona	Bill to (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name	NGI
Address	701 Tradewinds Blvd	Address	865 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone	432-813-0263	Email	Joseph.Vargo@ntgenv.com

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



880-9663 Chain of Custody

Page 2 of 4

Project Name	Cosmo Booster	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number	214966	Due Date																None NO		
Project Location	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm																DI Water H ₂ O		
Sampler's Name	AT																	Cool Cool		
PO #																		HCL HC		
SAMPLE RECEIPT	Received Intact:	Temp Blank	Yes	No	Thermometer ID	Yes	No													H ₂ SO ₄ H ₂
	Cooler Custody Seals	Yes	No	N/A	Correction Factor	Yes	No													H ₃ PO ₄ HP
	Sample Custody Seals	Yes	No	N/A	Temperature Reading	Yes	No													NaHSO ₄ NABIS
	Total Containers	Yes	No	N/A	Corrected Temperature	Yes	No													Na ₂ S ₂ O ₃ NaSO ₃
																				Zn Acetate+NaOH Zn
																				NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
T-1 (0-1')	12/21/2021		X		G	1	X	X	X	X												
T-1 (1')	12/21/2021		X		G	1	X	X	X	X												
T-1 (2')	12/21/2021		X		G	1	X	X	X	X												
T-1 (3')	12/21/2021		X		G	1	X	X	X	X												
T-1 (4')	12/21/2021		X		G	1	X	X	X	X												
T-1 (5')	12/21/2021		X		G	1	X	X	X	X												
T-2 (0-1')	12/21/2021		X		G	1	X	X	X	X												
T-2 (1')	12/21/2021		X		G	1	X	X	X	X												
T-2 (2')	12/21/2021		X		G	1	X	X	X	X												
T-2 (3')	12/21/2021		X		G	1	X	X	X	X												

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$8 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Sam W. Vargo</i>	<i>Joe Vargo</i>	12/21/21 15:31			

Work Order No: 91023Page 2 of 4

Project Manager	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name	NGL
Address	701 Tradewinds BLVD	Address	865 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone	432-813-0263	Email	Joseph.Vargo@ntglep.com

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

Project Name		Cosmo Booster		Turn Around		Pres. Codes	ANALYSIS REQUEST												Preservative Codes		
Project Number	214956	☒ Routine	☐ Rush	Due Date	TAT starts the day received by the lab if received by 4:30pm														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 ☐	Thermometer ID	Wet Ice	Yes ☒ No ☐														H ₃ PO ₄ HP		
Received Intact:	Yes ☒ No ☐	N/A	Correction Factor																NaHSO ₄ NABIS		
Cooler Custody Seals	Yes ☒ No ☐	N/A	Temperature Reading																Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals	Yes ☒ No ☐	N/A	Corrected Temperature																Zn Acetate+NaOH Zn		
Total Containers																			NaOH+Ascorbic Acid SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
T-2 (4)		12/21/2021		X		G	1	X	X	X	X										
T-2 (5)		12/21/2021		X		G	1	X	X	X	X										
T-3 (0-1)		12/21/2021		X		G	1	X	X	X	X										
T-3 (1)		12/21/2021		X		G	1	X	X	X	X										
T-3 (2)		12/21/2021		X		G	1	X	X	X	X										
T-3 (3)		12/21/2021		X		G	1	X	X	X	X										
T-3 (4)		12/21/2021		X		G	1	X	X	X	X										
T-4 (0-1)		12/21/2021		X		G	1	X	X	X	X										
T-4 (1)		12/21/2021		X		G	1	X	X	X	X										
T-4 (2)		12/21/2021		X		G	1	X	X	X	X										

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Joseph Vargo</i>	<i>Joe Vargo</i>	12/21/21 15:31			

NTG

ENVIRONMENTAL

Work Order No: 91603Page 3 of 4

Project Manager	Mike Carmona	Bill to: (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name	NGL
Address	701 Tradewinds BLVD	Address	865 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone	432-813-0263	Email	Joseph.Vargo@ntgenv.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other	

Project Name	Cosmo Booster	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes
Project Number	214956																	None NO
Project Location	Lea Co, NM	Due Date																DI Water H ₂ O
Sampler's Name	AT	TAT starts the day received by the lab, if received by 4:30pm																Cool Cool
PO #																		HCL HC
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐														H ₂ SO ₄ H ₂
	Received Intact	Yes ☒ No ☐	Thermometer ID															H ₃ PO ₄ HP
	Cooler Custody Seals	Yes ☒ No ☐	Correction Factor															NaHSO ₄ NABIS
	Sample Custody Seals	Yes ☒ No ☐	Temperature Reading															Na ₂ S ₂ O ₃ NaSO ₃
	Total Containers		Corrected Temperature															Zn Acetate+NaOH Zn

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments											
T-4 (3)	12/21/2021		X		G	1	BTX 8021B												HOLD											
T-4 (4)	12/21/2021		X		G	1	TPH 8015M (GRO+DRO+MRO)																							
T-4 (5)	12/21/2021		X		G	1	Chloride 300.0																							
T-5 (0-1')	12/21/2021		X		G	1																								
T-5 (1')	12/21/2021		X		G	1																								
T-5 (2')	12/21/2021		X		G	1																								
T-5 (3')	12/21/2021		X		G	1																								
T-5 (4')	12/21/2021		X		G	1																								
T-5 (5)	12/21/2021		X		G	1																								
T-5 (6')	12/21/2021		X		G	1																								

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Sam McLaughlin</i>	<i>Rebecca R</i>	12/22/21 5:31			



Work Order No: 94063

Page 4 of 4

Project Manager	Mike Carmona	Bill to (if different)	Joe Vargo
Company Name	NTG Environmental	Company Name	NGL
Address	701 Tradewinds BLVD	Address	865 North Albion Street, Suite 400
City, State ZIP	Midland, TX 79706	City, State ZIP	Denver, CO 80220
Phone	432-813-0263	Email	Joseph.Vargo@naglep.com

Work Order Comments			
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: _____ Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other _____			

[illegible]

Xenoco, signature or firm acknowledgment of receipt of the samples and the return of the samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Steven M. Jolly</i>	<i>James R</i>	12/22/21 15:31	2		
3			4		
5			6		

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9663-1

SDG Number: Lea Co, NM

Login Number: 9663

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-16039-1

Laboratory Sample Delivery Group: Lea Co. NM
Client Project/Site: Cosmo Booster

For:

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

Attn: Conner Moehring

Authorized for release by:

6/21/2022 11:18:12 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 880-16039-1
SDG: Lea Co. NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	21
QC Sample Results	23
QC Association Summary	27
Lab Chronicle	32
Certification Summary	39
Method Summary	40
Sample Summary	41
Chain of Custody	42
Receipt Checklists	44

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F2	MS/MSD RPD exceeds control limits
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: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Job ID: 880-16039-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-16039-1****Receipt**

The samples were received on 6/20/2022 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-27900 and analytical batch 880-27891 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-27900 and analytical batch 880-27891 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-163 (4.5')

Lab Sample ID: 880-16039-1

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 13:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 13:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 13:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/22 10:25	06/20/22 13:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 13:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/22 10:25	06/20/22 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/20/22 10:25	06/20/22 13:37	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/20/22 10:25	06/20/22 13:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 *	49.9		mg/Kg		06/20/22 09:19	06/20/22 11:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 09:19	06/20/22 11:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 09:19	06/20/22 11:03	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 09:19	06/20/22 11:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/20/22 09:19	06/20/22 11:03	1
o-Terphenyl	97		70 - 130	06/20/22 09:19	06/20/22 11:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		5.04		mg/Kg			06/21/22 02:30	1

Client Sample ID: CS-164 (4.5')

Lab Sample ID: 880-16039-2

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 13:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 13:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 13:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 10:25	06/20/22 13:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 13:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 10:25	06/20/22 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/20/22 10:25	06/20/22 13:58	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/20/22 10:25	06/20/22 13:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-164 (4.5')

Lab Sample ID: 880-16039-2

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/20/22 11:19	06/20/22 12:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 12:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 12:08	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/20/22 11:19	06/20/22 12:08	1
o-Terphenyl	95		70 - 130	06/20/22 11:19	06/20/22 12:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		5.02		mg/Kg			06/21/22 02:54	1

Client Sample ID: CS-165 (5.5')

Lab Sample ID: 880-16039-3

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 14:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 14:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 14:19	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/20/22 10:25	06/20/22 14:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 14:19	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/20/22 10:25	06/20/22 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/20/22 10:25	06/20/22 14:19	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/20/22 10:25	06/20/22 14:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		06/20/22 11:19	06/20/22 12:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-165 (5.5')

Lab Sample ID: 880-16039-3

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 12:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 12:30	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 12:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/20/22 11:19	06/20/22 12:30	1
o-Terphenyl	94		70 - 130				06/20/22 11:19	06/20/22 12:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.5		5.00		mg/Kg			06/21/22 03:02	1

Client Sample ID: CS-166 (5.5')

Lab Sample ID: 880-16039-4

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 14:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 14:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 14:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/20/22 10:25	06/20/22 14:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 14:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/22 10:25	06/20/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/20/22 10:25	06/20/22 14:39	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/20/22 10:25	06/20/22 14:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		06/20/22 11:19	06/20/22 12:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/20/22 11:19	06/20/22 12:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/22 11:19	06/20/22 12:52	1
Total TPH	<49.8	U	49.8		mg/Kg		06/20/22 11:19	06/20/22 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/20/22 11:19	06/20/22 12:52	1
o-Terphenyl	97		70 - 130				06/20/22 11:19	06/20/22 12:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-166 (5.5')

Lab Sample ID: 880-16039-4

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		5.01		mg/Kg			06/21/22 03:09	1

Client Sample ID: CS-167 (5.5')

Lab Sample ID: 880-16039-5

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 15:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 15:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/20/22 10:25	06/20/22 15:00	1
1,4-Difluorobenzene (Surr)	106		70 - 130	06/20/22 10:25	06/20/22 15:00	1

Method: 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			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		06/20/22 11:19	06/20/22 13:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 13:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 13:14	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/20/22 11:19	06/20/22 13:14	1
o-Terphenyl	88		70 - 130	06/20/22 11:19	06/20/22 13:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.97		mg/Kg			06/21/22 03:17	1

Client Sample ID: CS-168 (5.5')

Lab Sample ID: 880-16039-6

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 15:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 15:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-168 (5.5')

Lab Sample ID: 880-16039-6

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 15:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/22 10:25	06/20/22 15:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 15:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/22 10:25	06/20/22 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/20/22 10:25	06/20/22 15:21	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/20/22 10:25	06/20/22 15:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:35	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/20/22 11:19	06/20/22 13:35	1
o-Terphenyl	95		70 - 130				06/20/22 11:19	06/20/22 13:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.3		4.98		mg/Kg			06/21/22 03:41	1

Client Sample ID: CS-169 (5.5')

Lab Sample ID: 880-16039-7

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 15:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 15:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 15:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/20/22 10:25	06/20/22 15:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 15:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/20/22 10:25	06/20/22 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/20/22 10:25	06/20/22 15:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130				06/20/22 10:25	06/20/22 15:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-169 (5.5')

Lab Sample ID: 880-16039-7

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:56	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	06/20/22 11:19	06/20/22 13:56	1
o-Terphenyl	102		70 - 130	06/20/22 11:19	06/20/22 13:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.03		mg/Kg			06/21/22 03:49	1

Client Sample ID: CS-170 (5.5')

Lab Sample ID: 880-16039-8

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 16:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 16:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 16:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/20/22 10:25	06/20/22 16:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 16:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/20/22 10:25	06/20/22 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/20/22 10:25	06/20/22 16:02	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/20/22 10:25	06/20/22 16:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		06/20/22 11:19	06/20/22 14:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-170 (5.5')

Lab Sample ID: 880-16039-8

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 14:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 14:18	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/20/22 11:19	06/20/22 14:18	1
o-Terphenyl	107		70 - 130				06/20/22 11:19	06/20/22 14:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		4.99		mg/Kg			06/21/22 03:57	1

Client Sample ID: CS-171 (5.5')

Lab Sample ID: 880-16039-9

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 16:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 16:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 16:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 10:25	06/20/22 16:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 16:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 10:25	06/20/22 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				06/20/22 10:25	06/20/22 16:23	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/20/22 10:25	06/20/22 16:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/20/22 11:19	06/20/22 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 14:39	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/20/22 11:19	06/20/22 14:39	1
o-Terphenyl	93		70 - 130				06/20/22 11:19	06/20/22 14:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-171 (5.5')

Lab Sample ID: 880-16039-9

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.39		5.04		mg/Kg			06/21/22 04:04	1

Client Sample ID: CS-172 (5.5')

Lab Sample ID: 880-16039-10

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 16:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 16:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 16:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/22 10:25	06/20/22 16:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 16:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/22 10:25	06/20/22 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/20/22 10:25	06/20/22 16:44	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/20/22 10:25	06/20/22 16:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:01	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/20/22 11:19	06/20/22 15:01	1
o-Terphenyl	87		70 - 130	06/20/22 11:19	06/20/22 15:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.98		mg/Kg			06/21/22 04:12	1

Client Sample ID: CS-173 (5.5')

Lab Sample ID: 880-16039-11

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 18:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 18:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-173 (5.5')

Lab Sample ID: 880-16039-11

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 18:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 10:25	06/20/22 18:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 10:25	06/20/22 18:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 10:25	06/20/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/20/22 10:25	06/20/22 18:08	1
1,4-Difluorobenzene (Surr)	105		70 - 130				06/20/22 10:25	06/20/22 18:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:44	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/20/22 11:19	06/20/22 15:44	1
o-Terphenyl	94		70 - 130				06/20/22 11:19	06/20/22 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.4		4.96		mg/Kg			06/21/22 04:20	1

Client Sample ID: CS-174 (5.5')

Lab Sample ID: 880-16039-12

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 18:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 18:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 18:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 18:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 18:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				06/20/22 10:25	06/20/22 18:28	1
1,4-Difluorobenzene (Surr)	105		70 - 130				06/20/22 10:25	06/20/22 18:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-174 (5.5')

Lab Sample ID: 880-16039-12

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 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			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:05	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/20/22 11:19	06/20/22 16:05	1
o-Terphenyl	100		70 - 130	06/20/22 11:19	06/20/22 16:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.4		4.98		mg/Kg			06/21/22 04:44	1

Client Sample ID: CS-178 (5.5')

Lab Sample ID: 880-16039-13

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 18:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 18:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 18:49	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/20/22 10:25	06/20/22 18:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 18:49	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/20/22 10:25	06/20/22 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/20/22 10:25	06/20/22 18:49	1
1,4-Difluorobenzene (Surr)	110		70 - 130	06/20/22 10:25	06/20/22 18:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-178 (5.5')

Lab Sample ID: 880-16039-13

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:27	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				06/20/22 11:19	06/20/22 16:27	1
o-Terphenyl	81		70 - 130				06/20/22 11:19	06/20/22 16:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		5.05		mg/Kg			06/21/22 04:52	1

Client Sample ID: CS-179 (5.5')

Lab Sample ID: 880-16039-14

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/20/22 10:25	06/20/22 19:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/22 10:25	06/20/22 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/20/22 10:25	06/20/22 19:10	1
1,4-Difluorobenzene (Surr)	107		70 - 130				06/20/22 10:25	06/20/22 19:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:48	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/20/22 11:19	06/20/22 16:48	1
o-Terphenyl	95		70 - 130				06/20/22 11:19	06/20/22 16:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-179 (5.5')

Lab Sample ID: 880-16039-14

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		5.00		mg/Kg			06/21/22 05:15	1

Client Sample ID: CS-181 (5.5')

Lab Sample ID: 880-16039-15

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 19:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 19:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 19:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/22 10:25	06/20/22 19:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/22 10:25	06/20/22 19:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/22 10:25	06/20/22 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/20/22 10:25	06/20/22 19:31	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/20/22 10:25	06/20/22 19:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		06/20/22 11:19	06/20/22 17:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 17:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 17:10	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:19	06/20/22 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/20/22 11:19	06/20/22 17:10	1
o-Terphenyl	87		70 - 130	06/20/22 11:19	06/20/22 17:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.05		mg/Kg			06/21/22 05:23	1

Client Sample ID: SW-51 (4.5')

Lab Sample ID: 880-16039-16

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: SW-51 (4.5')

Lab Sample ID: 880-16039-16

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 19:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 19:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/20/22 10:25	06/20/22 19:51	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/20/22 10:25	06/20/22 19:51	1

Method: 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			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:31	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/20/22 11:19	06/20/22 17:31	1
o-Terphenyl	90		70 - 130				06/20/22 11:19	06/20/22 17:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		5.01		mg/Kg			06/21/22 05:31	1

Client Sample ID: SW-52 (1')

Lab Sample ID: 880-16039-17

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 20:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 20:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 20:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/20/22 10:25	06/20/22 20:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/20/22 10:25	06/20/22 20:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/20/22 10:25	06/20/22 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/20/22 10:25	06/20/22 20:12	1
1,4-Difluorobenzene (Surr)	109		70 - 130				06/20/22 10:25	06/20/22 20:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: SW-52 (1')

Lab Sample ID: 880-16039-17

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:53	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/20/22 11:19	06/20/22 17:53	1
o-Terphenyl	86		70 - 130	06/20/22 11:19	06/20/22 17:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		4.95		mg/Kg			06/21/22 05:39	1

Client Sample ID: SW-53 (.5')

Lab Sample ID: 880-16039-18

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 20:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 20:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 20:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/22 10:25	06/20/22 20:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/22 10:25	06/20/22 20:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/22 10:25	06/20/22 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/20/22 10:25	06/20/22 20:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/20/22 10:25	06/20/22 20:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		06/20/22 11:19	06/20/22 18:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: SW-53 (.5')

Lab Sample ID: 880-16039-18

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 18:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 18:14	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:19	06/20/22 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/20/22 11:19	06/20/22 18:14	1
o-Terphenyl	98		70 - 130				06/20/22 11:19	06/20/22 18:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.03		mg/Kg			06/21/22 05:47	1

Client Sample ID: SW-54 (5.5')

Lab Sample ID: 880-16039-19

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 20:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 20:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 20:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/22 10:25	06/20/22 20:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 20:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/22 10:25	06/20/22 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				06/20/22 10:25	06/20/22 20:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130				06/20/22 10:25	06/20/22 20:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		06/20/22 11:20	06/20/22 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 11:20	06/20/22 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 11:20	06/20/22 18:36	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 11:20	06/20/22 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/20/22 11:20	06/20/22 18:36	1
o-Terphenyl	105		70 - 130				06/20/22 11:20	06/20/22 18:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: SW-54 (5.5')

Lab Sample ID: 880-16039-19

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.98		mg/Kg			06/21/22 05:55	1

Client Sample ID: SW-56 (5.5')

Lab Sample ID: 880-16039-20

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 21:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 21:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 21:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 21:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 21:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/20/22 10:25	06/20/22 21:14	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/20/22 10:25	06/20/22 21:14	1

Method: 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			06/21/22 11:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/21/22 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		06/20/22 11:20	06/20/22 18:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 11:20	06/20/22 18:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 11:20	06/20/22 18:58	1
Total TPH	<49.9	U	49.9		mg/Kg		06/20/22 11:20	06/20/22 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/20/22 11:20	06/20/22 18:58	1
o-Terphenyl	107		70 - 130	06/20/22 11:20	06/20/22 18:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		4.96		mg/Kg			06/21/22 06:03	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-16039-1	CS-163 (4.5')	94	107				
880-16039-1 MS	CS-163 (4.5')	101	99				
880-16039-1 MSD	CS-163 (4.5')	87	105				
880-16039-2	CS-164 (4.5')	100	107				
880-16039-3	CS-165 (5.5')	95	107				
880-16039-4	CS-166 (5.5')	97	99				
880-16039-5	CS-167 (5.5')	96	106				
880-16039-6	CS-168 (5.5')	105	102				
880-16039-7	CS-169 (5.5')	94	107				
880-16039-8	CS-170 (5.5')	96	107				
880-16039-9	CS-171 (5.5')	119	91				
880-16039-10	CS-172 (5.5')	95	104				
880-16039-11	CS-173 (5.5')	93	105				
880-16039-12	CS-174 (5.5')	92	105				
880-16039-13	CS-178 (5.5')	98	110				
880-16039-14	CS-179 (5.5')	102	107				
880-16039-15	CS-181 (5.5')	100	109				
880-16039-16	SW-51 (4.5')	100	108				
880-16039-17	SW-52 (1')	100	109				
880-16039-18	SW-53 (.5')	95	107				
880-16039-19	SW-54 (5.5')	95	105				
880-16039-20	SW-56 (5.5')	97	109				
LCS 880-27897/1-A	Lab Control Sample	98	100				
LCSD 880-27897/2-A	Lab Control Sample Dup	92	106				
MB 880-27897/5-A	Method Blank	91	109				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-16039-1	CS-163 (4.5')	89	97				
880-16039-1 MS	CS-163 (4.5')	99	95				
880-16039-1 MSD	CS-163 (4.5')	83	80				
880-16039-2	CS-164 (4.5')	90	95				
880-16039-3	CS-165 (5.5')	88	94				
880-16039-4	CS-166 (5.5')	91	97				
880-16039-5	CS-167 (5.5')	88	88				
880-16039-6	CS-168 (5.5')	91	95				
880-16039-7	CS-169 (5.5')	102	102				
880-16039-8	CS-170 (5.5')	101	107				
880-16039-9	CS-171 (5.5')	88	93				
880-16039-10	CS-172 (5.5')	89	87				
880-16039-11	CS-173 (5.5')	89	94				
880-16039-12	CS-174 (5.5')	94	100				

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
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)
880-16039-13	CS-178 (5.5')	82	81
880-16039-14	CS-179 (5.5')	95	95
880-16039-15	CS-181 (5.5')	88	87
880-16039-16	SW-51 (4.5')	90	90
880-16039-17	SW-52 (1')	83	86
880-16039-18	SW-53 (.5')	94	98
880-16039-19	SW-54 (5.5')	99	105
880-16039-20	SW-56 (5.5')	103	107
LCS 880-27900/2-A	Lab Control Sample	106	114
LCSD 880-27900/3-A	Lab Control Sample Dup	105	112
MB 880-27900/1-A	Method Blank	92	98

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27897/5-A

Matrix: Solid

Analysis Batch: 27895

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 13:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 13:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 13:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 13:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 10:25	06/20/22 13:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 10:25	06/20/22 13:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/20/22 10:25	06/20/22 13:15	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/20/22 10:25	06/20/22 13:15	1

Lab Sample ID: LCS 880-27897/1-A

Matrix: Solid

Analysis Batch: 27895

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07885		mg/Kg		79	70 - 130
Toluene	0.100	0.08609		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.07697		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1537		mg/Kg		77	70 - 130
o-Xylene	0.100	0.08575		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-27897/2-A

Matrix: Solid

Analysis Batch: 27895

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27897

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1051		mg/Kg		105	70 - 130	29	35
Toluene	0.100	0.09918		mg/Kg		99	70 - 130	14	35
Ethylbenzene	0.100	0.08440		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1638		mg/Kg		82	70 - 130	6	35
o-Xylene	0.100	0.09074		mg/Kg		91	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-16039-1 MS

Matrix: Solid

Analysis Batch: 27895

Client Sample ID: CS-163 (4.5')

Prep Type: Total/NA

Prep Batch: 27897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09890		mg/Kg		98	70 - 130
Toluene	<0.00201	U	0.101	0.1064		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-16039-1 MS

Matrix: Solid

Analysis Batch: 27895

Client Sample ID: CS-163 (4.5')

Prep Type: Total/NA

Prep Batch: 27897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.09524		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1896		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.101	0.1030		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-16039-1 MSD

Matrix: Solid

Analysis Batch: 27895

Client Sample ID: CS-163 (4.5')

Prep Type: Total/NA

Prep Batch: 27897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1001		mg/Kg		99	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09053		mg/Kg		90	70 - 130	16	35
Ethylbenzene	<0.00201	U	0.100	0.07435		mg/Kg		74	70 - 130	25	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1417		mg/Kg		71	70 - 130	29	35
o-Xylene	<0.00201	U	0.100	0.07634		mg/Kg		76	70 - 130	30	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-27900/1-A

Matrix: Solid

Analysis Batch: 27891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27900

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		06/20/22 09:19	06/20/22 09:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 09:19	06/20/22 09:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 09:19	06/20/22 09:57	1
Total TPH	<50.0	U	50.0		mg/Kg		06/20/22 09:19	06/20/22 09:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	06/20/22 09:19	06/20/22 09:57	1
o-Terphenyl	98		70 - 130	06/20/22 09:19	06/20/22 09:57	1

Lab Sample ID: LCS 880-27900/2-A

Matrix: Solid

Analysis Batch: 27891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	707.0		mg/Kg		71	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-27900/2-A

Matrix: Solid

Analysis Batch: 27891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27900

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)			1000	818.1		mg/Kg		82	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	114		70 - 130								

Lab Sample ID: LCSD 880-27900/3-A

Matrix: Solid

Analysis Batch: 27891

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27900

			Spike	LCSD	LCSD				%Rec			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	692.3	*-	mg/Kg		69	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	811.8		mg/Kg		81	70 - 130	1	20	
			LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	105		70 - 130									
o-Terphenyl	112		70 - 130									

Lab Sample ID: 880-16039-1 MS

Matrix: Solid

Analysis Batch: 27891

Client Sample ID: CS-163 (4.5')

Prep Type: Total/NA

Prep Batch: 27900

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 *-	998	1088		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	882.2		mg/Kg		88	70 - 130		

Lab Sample ID: 880-16039-1 MSD

Matrix: Solid

Analysis Batch: 27891

Client Sample ID: CS-163 (4.5')

Prep Type: Total/NA

Prep Batch: 27900

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2 *-	999	878.5	F2	mg/Kg		86	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	738.9		mg/Kg		74	70 - 130	18	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27951/1-A

Matrix: Solid

Analysis Batch: 28020

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			06/21/22 02:07	1

Lab Sample ID: LCS 880-27951/2-A

Matrix: Solid

Analysis Batch: 28020

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-27951/3-A

Matrix: Solid

Analysis Batch: 28020

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	252.5		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-16039-1 MS

Matrix: Solid

Analysis Batch: 28020

Client Sample ID: CS-163 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	130		252	375.6		mg/Kg		97	90 - 110

Lab Sample ID: 880-16039-1 MSD

Matrix: Solid

Analysis Batch: 28020

Client Sample ID: CS-163 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	130		252	380.6		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-16039-11 MS

Matrix: Solid

Analysis Batch: 28020

Client Sample ID: CS-173 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.4		248	272.7		mg/Kg		99	90 - 110

Lab Sample ID: 880-16039-11 MSD

Matrix: Solid

Analysis Batch: 28020

Client Sample ID: CS-173 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.4		248	273.2		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

GC VOA

Analysis Batch: 27895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Total/NA	Solid	8021B	27897
880-16039-2	CS-164 (4.5')	Total/NA	Solid	8021B	27897
880-16039-3	CS-165 (5.5')	Total/NA	Solid	8021B	27897
880-16039-4	CS-166 (5.5')	Total/NA	Solid	8021B	27897
880-16039-5	CS-167 (5.5')	Total/NA	Solid	8021B	27897
880-16039-6	CS-168 (5.5')	Total/NA	Solid	8021B	27897
880-16039-7	CS-169 (5.5')	Total/NA	Solid	8021B	27897
880-16039-8	CS-170 (5.5')	Total/NA	Solid	8021B	27897
880-16039-9	CS-171 (5.5')	Total/NA	Solid	8021B	27897
880-16039-10	CS-172 (5.5')	Total/NA	Solid	8021B	27897
880-16039-11	CS-173 (5.5')	Total/NA	Solid	8021B	27897
880-16039-12	CS-174 (5.5')	Total/NA	Solid	8021B	27897
880-16039-13	CS-178 (5.5')	Total/NA	Solid	8021B	27897
880-16039-14	CS-179 (5.5')	Total/NA	Solid	8021B	27897
880-16039-15	CS-181 (5.5')	Total/NA	Solid	8021B	27897
880-16039-16	SW-51 (4.5')	Total/NA	Solid	8021B	27897
880-16039-17	SW-52 (1')	Total/NA	Solid	8021B	27897
880-16039-18	SW-53 (.5')	Total/NA	Solid	8021B	27897
880-16039-19	SW-54 (5.5')	Total/NA	Solid	8021B	27897
880-16039-20	SW-56 (5.5')	Total/NA	Solid	8021B	27897
MB 880-27897/5-A	Method Blank	Total/NA	Solid	8021B	27897
LCS 880-27897/1-A	Lab Control Sample	Total/NA	Solid	8021B	27897
LCSD 880-27897/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27897
880-16039-1 MS	CS-163 (4.5')	Total/NA	Solid	8021B	27897
880-16039-1 MSD	CS-163 (4.5')	Total/NA	Solid	8021B	27897

Prep Batch: 27897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Total/NA	Solid	5035	
880-16039-2	CS-164 (4.5')	Total/NA	Solid	5035	
880-16039-3	CS-165 (5.5')	Total/NA	Solid	5035	
880-16039-4	CS-166 (5.5')	Total/NA	Solid	5035	
880-16039-5	CS-167 (5.5')	Total/NA	Solid	5035	
880-16039-6	CS-168 (5.5')	Total/NA	Solid	5035	
880-16039-7	CS-169 (5.5')	Total/NA	Solid	5035	
880-16039-8	CS-170 (5.5')	Total/NA	Solid	5035	
880-16039-9	CS-171 (5.5')	Total/NA	Solid	5035	
880-16039-10	CS-172 (5.5')	Total/NA	Solid	5035	
880-16039-11	CS-173 (5.5')	Total/NA	Solid	5035	
880-16039-12	CS-174 (5.5')	Total/NA	Solid	5035	
880-16039-13	CS-178 (5.5')	Total/NA	Solid	5035	
880-16039-14	CS-179 (5.5')	Total/NA	Solid	5035	
880-16039-15	CS-181 (5.5')	Total/NA	Solid	5035	
880-16039-16	SW-51 (4.5')	Total/NA	Solid	5035	
880-16039-17	SW-52 (1')	Total/NA	Solid	5035	
880-16039-18	SW-53 (.5')	Total/NA	Solid	5035	
880-16039-19	SW-54 (5.5')	Total/NA	Solid	5035	
880-16039-20	SW-56 (5.5')	Total/NA	Solid	5035	
MB 880-27897/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27897/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27897/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 27897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1 MS	CS-163 (4.5')	Total/NA	Solid	5035	
880-16039-1 MSD	CS-163 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 28040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Total/NA	Solid	Total BTEX	
880-16039-2	CS-164 (4.5')	Total/NA	Solid	Total BTEX	
880-16039-3	CS-165 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-4	CS-166 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-5	CS-167 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-6	CS-168 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-7	CS-169 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-8	CS-170 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-9	CS-171 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-10	CS-172 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-11	CS-173 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-12	CS-174 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-13	CS-178 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-14	CS-179 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-15	CS-181 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-16	SW-51 (4.5')	Total/NA	Solid	Total BTEX	
880-16039-17	SW-52 (1')	Total/NA	Solid	Total BTEX	
880-16039-18	SW-53 (.5')	Total/NA	Solid	Total BTEX	
880-16039-19	SW-54 (5.5')	Total/NA	Solid	Total BTEX	
880-16039-20	SW-56 (5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Total/NA	Solid	8015B NM	27900
880-16039-2	CS-164 (4.5')	Total/NA	Solid	8015B NM	27900
880-16039-3	CS-165 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-4	CS-166 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-5	CS-167 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-6	CS-168 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-7	CS-169 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-8	CS-170 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-9	CS-171 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-10	CS-172 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-11	CS-173 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-12	CS-174 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-13	CS-178 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-14	CS-179 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-15	CS-181 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-16	SW-51 (4.5')	Total/NA	Solid	8015B NM	27900
880-16039-17	SW-52 (1')	Total/NA	Solid	8015B NM	27900
880-16039-18	SW-53 (.5')	Total/NA	Solid	8015B NM	27900
880-16039-19	SW-54 (5.5')	Total/NA	Solid	8015B NM	27900
880-16039-20	SW-56 (5.5')	Total/NA	Solid	8015B NM	27900
MB 880-27900/1-A	Method Blank	Total/NA	Solid	8015B NM	27900

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 27891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-27900/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27900
LCSD 880-27900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27900
880-16039-1 MS	CS-163 (4.5')	Total/NA	Solid	8015B NM	27900
880-16039-1 MSD	CS-163 (4.5')	Total/NA	Solid	8015B NM	27900

Prep Batch: 27900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Total/NA	Solid	8015NM Prep	
880-16039-2	CS-164 (4.5')	Total/NA	Solid	8015NM Prep	
880-16039-3	CS-165 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-4	CS-166 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-5	CS-167 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-6	CS-168 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-7	CS-169 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-8	CS-170 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-9	CS-171 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-10	CS-172 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-11	CS-173 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-12	CS-174 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-13	CS-178 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-14	CS-179 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-15	CS-181 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-16	SW-51 (4.5')	Total/NA	Solid	8015NM Prep	
880-16039-17	SW-52 (1')	Total/NA	Solid	8015NM Prep	
880-16039-18	SW-53 (.5')	Total/NA	Solid	8015NM Prep	
880-16039-19	SW-54 (5.5')	Total/NA	Solid	8015NM Prep	
880-16039-20	SW-56 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-27900/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27900/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27900/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16039-1 MS	CS-163 (4.5')	Total/NA	Solid	8015NM Prep	
880-16039-1 MSD	CS-163 (4.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Total/NA	Solid	8015 NM	
880-16039-2	CS-164 (4.5')	Total/NA	Solid	8015 NM	
880-16039-3	CS-165 (5.5')	Total/NA	Solid	8015 NM	
880-16039-4	CS-166 (5.5')	Total/NA	Solid	8015 NM	
880-16039-5	CS-167 (5.5')	Total/NA	Solid	8015 NM	
880-16039-6	CS-168 (5.5')	Total/NA	Solid	8015 NM	
880-16039-7	CS-169 (5.5')	Total/NA	Solid	8015 NM	
880-16039-8	CS-170 (5.5')	Total/NA	Solid	8015 NM	
880-16039-9	CS-171 (5.5')	Total/NA	Solid	8015 NM	
880-16039-10	CS-172 (5.5')	Total/NA	Solid	8015 NM	
880-16039-11	CS-173 (5.5')	Total/NA	Solid	8015 NM	
880-16039-12	CS-174 (5.5')	Total/NA	Solid	8015 NM	
880-16039-13	CS-178 (5.5')	Total/NA	Solid	8015 NM	
880-16039-14	CS-179 (5.5')	Total/NA	Solid	8015 NM	
880-16039-15	CS-181 (5.5')	Total/NA	Solid	8015 NM	
880-16039-16	SW-51 (4.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 28018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-17	SW-52 (1')	Total/NA	Solid	8015 NM	
880-16039-18	SW-53 (.5')	Total/NA	Solid	8015 NM	
880-16039-19	SW-54 (5.5')	Total/NA	Solid	8015 NM	
880-16039-20	SW-56 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Soluble	Solid	DI Leach	
880-16039-2	CS-164 (4.5')	Soluble	Solid	DI Leach	
880-16039-3	CS-165 (5.5')	Soluble	Solid	DI Leach	
880-16039-4	CS-166 (5.5')	Soluble	Solid	DI Leach	
880-16039-5	CS-167 (5.5')	Soluble	Solid	DI Leach	
880-16039-6	CS-168 (5.5')	Soluble	Solid	DI Leach	
880-16039-7	CS-169 (5.5')	Soluble	Solid	DI Leach	
880-16039-8	CS-170 (5.5')	Soluble	Solid	DI Leach	
880-16039-9	CS-171 (5.5')	Soluble	Solid	DI Leach	
880-16039-10	CS-172 (5.5')	Soluble	Solid	DI Leach	
880-16039-11	CS-173 (5.5')	Soluble	Solid	DI Leach	
880-16039-12	CS-174 (5.5')	Soluble	Solid	DI Leach	
880-16039-13	CS-178 (5.5')	Soluble	Solid	DI Leach	
880-16039-14	CS-179 (5.5')	Soluble	Solid	DI Leach	
880-16039-15	CS-181 (5.5')	Soluble	Solid	DI Leach	
880-16039-16	SW-51 (4.5')	Soluble	Solid	DI Leach	
880-16039-17	SW-52 (1')	Soluble	Solid	DI Leach	
880-16039-18	SW-53 (.5')	Soluble	Solid	DI Leach	
880-16039-19	SW-54 (5.5')	Soluble	Solid	DI Leach	
880-16039-20	SW-56 (5.5')	Soluble	Solid	DI Leach	
MB 880-27951/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27951/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27951/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16039-1 MS	CS-163 (4.5')	Soluble	Solid	DI Leach	
880-16039-1 MSD	CS-163 (4.5')	Soluble	Solid	DI Leach	
880-16039-11 MS	CS-173 (5.5')	Soluble	Solid	DI Leach	
880-16039-11 MSD	CS-173 (5.5')	Soluble	Solid	DI Leach	

Analysis Batch: 28020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-1	CS-163 (4.5')	Soluble	Solid	300.0	27951
880-16039-2	CS-164 (4.5')	Soluble	Solid	300.0	27951
880-16039-3	CS-165 (5.5')	Soluble	Solid	300.0	27951
880-16039-4	CS-166 (5.5')	Soluble	Solid	300.0	27951
880-16039-5	CS-167 (5.5')	Soluble	Solid	300.0	27951
880-16039-6	CS-168 (5.5')	Soluble	Solid	300.0	27951
880-16039-7	CS-169 (5.5')	Soluble	Solid	300.0	27951
880-16039-8	CS-170 (5.5')	Soluble	Solid	300.0	27951
880-16039-9	CS-171 (5.5')	Soluble	Solid	300.0	27951
880-16039-10	CS-172 (5.5')	Soluble	Solid	300.0	27951
880-16039-11	CS-173 (5.5')	Soluble	Solid	300.0	27951
880-16039-12	CS-174 (5.5')	Soluble	Solid	300.0	27951

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 28020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16039-13	CS-178 (5.5')	Soluble	Solid	300.0	27951
880-16039-14	CS-179 (5.5')	Soluble	Solid	300.0	27951
880-16039-15	CS-181 (5.5')	Soluble	Solid	300.0	27951
880-16039-16	SW-51 (4.5')	Soluble	Solid	300.0	27951
880-16039-17	SW-52 (1')	Soluble	Solid	300.0	27951
880-16039-18	SW-53 (.5')	Soluble	Solid	300.0	27951
880-16039-19	SW-54 (5.5')	Soluble	Solid	300.0	27951
880-16039-20	SW-56 (5.5')	Soluble	Solid	300.0	27951
MB 880-27951/1-A	Method Blank	Soluble	Solid	300.0	27951
LCS 880-27951/2-A	Lab Control Sample	Soluble	Solid	300.0	27951
LCSD 880-27951/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27951
880-16039-1 MS	CS-163 (4.5')	Soluble	Solid	300.0	27951
880-16039-1 MSD	CS-163 (4.5')	Soluble	Solid	300.0	27951
880-16039-11 MS	CS-173 (5.5')	Soluble	Solid	300.0	27951
880-16039-11 MSD	CS-173 (5.5')	Soluble	Solid	300.0	27951

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-163 (4.5')

Lab Sample ID: 880-16039-1

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 13:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27900	06/20/22 09:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 11:03	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 02:30	CH	XEN MID

Client Sample ID: CS-164 (4.5')

Lab Sample ID: 880-16039-2

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 13:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 12:08	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 02:54	CH	XEN MID

Client Sample ID: CS-165 (5.5')

Lab Sample ID: 880-16039-3

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 14:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 12:30	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 03:02	CH	XEN MID

Client Sample ID: CS-166 (5.5')

Lab Sample ID: 880-16039-4

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 14:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-166 (5.5')

Lab Sample ID: 880-16039-4

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 12:52	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 03:09	CH	XEN MID

Client Sample ID: CS-167 (5.5')

Lab Sample ID: 880-16039-5

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 15:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 13:14	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 03:17	CH	XEN MID

Client Sample ID: CS-168 (5.5')

Lab Sample ID: 880-16039-6

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 15:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 13:35	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 03:41	CH	XEN MID

Client Sample ID: CS-169 (5.5')

Lab Sample ID: 880-16039-7

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 15:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 13:56	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-169 (5.5')

Lab Sample ID: 880-16039-7

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 03:49	CH	XEN MID

Client Sample ID: CS-170 (5.5')

Lab Sample ID: 880-16039-8

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 16:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 14:18	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 03:57	CH	XEN MID

Client Sample ID: CS-171 (5.5')

Lab Sample ID: 880-16039-9

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 16:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 14:39	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 04:04	CH	XEN MID

Client Sample ID: CS-172 (5.5')

Lab Sample ID: 880-16039-10

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 16:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 15:01	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 04:12	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-173 (5.5')

Lab Sample ID: 880-16039-11

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 18:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 15:44	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 04:20	CH	XEN MID

Client Sample ID: CS-174 (5.5')

Lab Sample ID: 880-16039-12

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 18:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 16:05	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 04:44	CH	XEN MID

Client Sample ID: CS-178 (5.5')

Lab Sample ID: 880-16039-13

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 18:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 16:27	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 04:52	CH	XEN MID

Client Sample ID: CS-179 (5.5')

Lab Sample ID: 880-16039-14

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 19:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: CS-179 (5.5')

Lab Sample ID: 880-16039-14

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 16:48	SM	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 05:15	CH	XEN MID

Client Sample ID: CS-181 (5.5')

Lab Sample ID: 880-16039-15

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 19:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 17:10	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 05:23	CH	XEN MID

Client Sample ID: SW-51 (4.5')

Lab Sample ID: 880-16039-16

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 19:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 17:31	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 05:31	CH	XEN MID

Client Sample ID: SW-52 (1')

Lab Sample ID: 880-16039-17

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 20:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 17:53	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Client Sample ID: SW-52 (1')

Lab Sample ID: 880-16039-17

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 05:39	CH	XEN MID

Client Sample ID: SW-53 (.5')

Lab Sample ID: 880-16039-18

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 20:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27900	06/20/22 11:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 18:14	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 05:47	CH	XEN MID

Client Sample ID: SW-54 (5.5')

Lab Sample ID: 880-16039-19

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 20:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27900	06/20/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 18:36	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 05:55	CH	XEN MID

Client Sample ID: SW-56 (5.5')

Lab Sample ID: 880-16039-20

Date Collected: 06/18/22 00:00

Matrix: Solid

Date Received: 06/20/22 08:30

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	27897	06/20/22 10:25	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27895	06/20/22 21:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28040	06/21/22 11:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28018	06/21/22 09:33	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27900	06/20/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27891	06/20/22 18:58	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27951	06/20/22 14:53	SC	XEN MID
Soluble	Analysis	300.0		1			28020	06/21/22 06:03	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
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	T104704400-21-22	06-30-22

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)
8015B NM	8015NM Prep	Solid	Total TPH
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: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16039-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16039-1	CS-163 (4.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-2	CS-164 (4.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-3	CS-165 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-4	CS-166 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-5	CS-167 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-6	CS-168 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-7	CS-169 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-8	CS-170 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-9	CS-171 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-10	CS-172 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-11	CS-173 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-12	CS-174 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-13	CS-178 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-14	CS-179 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-15	CS-181 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-16	SW-51 (4.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-17	SW-52 (1')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-18	SW-53 (.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-19	SW-54 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30
880-16039-20	SW-56 (5.5')	Solid	06/18/22 00:00	06/20/22 08:30

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

Work Order No: 16039

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Camona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St. Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813 6823	Email	joseph.vargo@nnglp.com

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

Project Name	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	1028	☐ Routine ☒ Rush														None NO	DI Water H ₂ O	
Project Location	Lea Co. NM	Due Date	24 Hrs													Cool Cool	MeOH Me	
Sampler's Name	CRM	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)	Parameters												HOLD	
Received Intact.	Yes (No)	Thermometer ID			BTEX 8021B												NaHSO ₄ , NABIS	
Cooler Custody Seals.	Yes (No)	Correction Factor			TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes (No)	Temperature Reading			Chloride 300 0												Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature															NaOH+Ascorbic Acid SAPC	

Sample Identification							Date		Time		Soil		Water		Grab/Comp		# of Cont		TPH 8												Sample Comments		
CS-163 (4.5')		6/18/2022				X				C		1		X		X		X															
CS-164 (4.5')		6/18/2022				X				C		1		X		X		X															
CS-165 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-166 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-167 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-168 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-169 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-170 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-171 (5.5')		6/18/2022				X				C		1		X		X		X															
CS-172 (5.5')		6/18/2022				X				C		1		X		X		X															

880-16039 Chain of Custody





880-16039 Chain of Custody

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		6/20/22 2:30			

Work Order No: 16039

Page 2 of 2

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph.vargo@nlepp.com

Work Order Comments	
Program: UST/PST ☐ PRR ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	1028	☐ Routine ☒ Rush														None NO	DI Water H ₂ O		
Project Location	Lea Co, NM	Due Date	24 Hrs													Cool Cool	MeOH Me		
Sampler's Name	CRM	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	Well 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	
CS-173 (5 5)	6/18/2022		X		C	1	X	X	X	X										
CS-174 (5 5)	6/18/2022		X		C	1	X	X	X	X										
CS-178 (5 5)	6/18/2022		X		C	1	X	X	X	X										
CS-179 (5 5)	6/18/2022		X		C	1	X	X	X	X										
CS-181 (5 5)	6/18/2022		X		C	1	X	X	X	X										
SW-51 (4 5)	6/18/2022		X		C	1	X	X	X	X										
SW-52 (1)	6/18/2022		X		C	1	X	X	X	X										
SW-53 (5 5)	6/18/2022		X		C	1	X	X	X	X										
SW-54 (5 5)	6/18/2022		X		C	1	X	X	X	X										
SW-56 (5 5)	6/18/2022		X		C	1	X	X	X	X										

Loc: 860
16039

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-16039-1

SDG Number: Lea Co. NM

Login Number: 16039

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.	False	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-16195-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Cosmo Booster

For:

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

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

6/23/2022 1:58:30 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 880-16195-1
SDG: Lea Co, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	21
QC Sample Results	23
QC Association Summary	31
Lab Chronicle	37
Certification Summary	44
Method Summary	45
Sample Summary	46
Chain of Custody	47
Receipt Checklists	50

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Job ID: 880-16195-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-16195-1****Receipt**

The samples were received on 6/22/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-28160 and analytical batch 880-28092 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28121 and analytical batch 880-28094 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside the upper control limit: CS-180 (5.5') (880-16195-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28082 and analytical batch 880-28134 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28164 and analytical batch 880-28174 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-180 (5.5')

Lab Sample ID: 880-16195-1

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:50	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:50	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:50	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		06/22/22 14:35	06/22/22 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:50	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		06/22/22 14:35	06/22/22 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/22/22 14:35	06/22/22 22:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/22/22 14:35	06/22/22 22:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 21:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 21:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	06/22/22 14:42	06/22/22 21:43	1
o-Terphenyl	133	S1+	70 - 130	06/22/22 14:42	06/22/22 21:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.8		4.97		mg/Kg			06/23/22 03:56	1

Client Sample ID: CS-182 (5.5')

Lab Sample ID: 880-16195-2

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/22/22 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/22/22 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/22/22 14:35	06/22/22 23:10	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/22/22 14:35	06/22/22 23:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-182 (5.5')

Lab Sample ID: 880-16195-2

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/22/22 22:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/22/22 22:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/22/22 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				06/22/22 14:42	06/22/22 22:48	1
o-Terphenyl	115		70 - 130				06/22/22 14:42	06/22/22 22:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.1		5.01		mg/Kg			06/23/22 04:19	1

Client Sample ID: CS-183 (5.5')

Lab Sample ID: 880-16195-3

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/22/22 14:35	06/22/22 23:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/22/22 14:35	06/22/22 23:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/22/22 14:35	06/22/22 23:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/22/22 14:35	06/22/22 23:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/22/22 14:35	06/22/22 23:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/22/22 14:35	06/22/22 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				06/22/22 14:35	06/22/22 23:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130				06/22/22 14:35	06/22/22 23:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 23:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 23:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-183 (5.5')

Lab Sample ID: 880-16195-3

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/22/22 14:42	06/22/22 23:09	1
o-Terphenyl	101		70 - 130				06/22/22 14:42	06/22/22 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		5.02		mg/Kg			06/23/22 04:27	1

Client Sample ID: CS-184 (5.5')

Lab Sample ID: 880-16195-4

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/22/22 23:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 23:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/22/22 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/22/22 14:35	06/22/22 23:51	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/22/22 14:35	06/22/22 23:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/22/22 14:42	06/22/22 23:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/22/22 14:42	06/22/22 23:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/22/22 14:42	06/22/22 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/22 14:42	06/22/22 23:31	1
o-Terphenyl	115		70 - 130				06/22/22 14:42	06/22/22 23:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.4		4.98		mg/Kg			06/23/22 04:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-185 (5.5')

Lab Sample ID: 880-16195-5

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 00:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 00:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 00:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/23/22 00:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 00:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/23/22 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	06/22/22 14:35	06/23/22 00:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/22/22 14:35	06/23/22 00:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 23:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 23:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/22/22 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	06/22/22 14:42	06/22/22 23:52	1
o-Terphenyl	110		70 - 130	06/22/22 14:42	06/22/22 23:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.4		4.95		mg/Kg			06/23/22 08:20	1

Client Sample ID: CS-186 (5.5')

Lab Sample ID: 880-16195-6

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 00:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/22/22 14:35	06/23/22 00:32	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/22/22 14:35	06/23/22 00:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-186 (5.5')

Lab Sample ID: 880-16195-6

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				06/22/22 14:42	06/23/22 00:13	1
o-Terphenyl	111		70 - 130				06/22/22 14:42	06/23/22 00:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		5.01		mg/Kg			06/23/22 08:43	1

Client Sample ID: CS-187 (5.5')

Lab Sample ID: 880-16195-7

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 00:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 00:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/22/22 14:35	06/23/22 00:53	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/22/22 14:35	06/23/22 00:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-187 (5.5')

Lab Sample ID: 880-16195-7

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/22/22 14:42	06/23/22 00:34	1
o-Terphenyl	112		70 - 130				06/22/22 14:42	06/23/22 00:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.7		4.99		mg/Kg			06/23/22 08:51	1

Client Sample ID: CS-188 (5.5')

Lab Sample ID: 880-16195-8

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 01:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/22/22 14:35	06/23/22 01:13	1
1,4-Difluorobenzene (Surr)	87		70 - 130				06/22/22 14:35	06/23/22 01:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/22 14:42	06/23/22 00:55	1
o-Terphenyl	118		70 - 130				06/22/22 14:42	06/23/22 00:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.9		5.05		mg/Kg			06/23/22 08:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-189 (5.5')

Lab Sample ID: 880-16195-9

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 01:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 01:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 01:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/23/22 01:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 01:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/23/22 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/22/22 14:35	06/23/22 01:33	1
1,4-Difluorobenzene (Surr)	81		70 - 130	06/22/22 14:35	06/23/22 01:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 01:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 01:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/22/22 14:42	06/23/22 01:16	1
o-Terphenyl	118		70 - 130	06/22/22 14:42	06/23/22 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.6		5.01		mg/Kg			06/23/22 09:07	1

Client Sample ID: CS-190 (5.5')

Lab Sample ID: 880-16195-10

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 01:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 01:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/22/22 14:35	06/23/22 01:54	1
1,4-Difluorobenzene (Surr)	83		70 - 130	06/22/22 14:35	06/23/22 01:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-190 (5.5')

Lab Sample ID: 880-16195-10

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 01:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 01:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/22/22 14:42	06/23/22 01:37	1
o-Terphenyl	112		70 - 130				06/22/22 14:42	06/23/22 01:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.9		5.04		mg/Kg			06/23/22 09:15	1

Client Sample ID: CS-191 (5.5')

Lab Sample ID: 880-16195-11

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 03:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 03:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 03:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 03:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 03:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/22/22 14:35	06/23/22 03:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/22/22 14:35	06/23/22 03:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 02:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 02:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-191 (5.5')

Lab Sample ID: 880-16195-11

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/22/22 14:42	06/23/22 02:19	1
o-Terphenyl	117		70 - 130				06/22/22 14:42	06/23/22 02:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.9	F1 F2	5.00		mg/Kg			06/23/22 09:23	1

Client Sample ID: CS-192 (5.5')

Lab Sample ID: 880-16195-12

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 03:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 03:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 03:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/23/22 03:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 03:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/23/22 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/22/22 14:35	06/23/22 03:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/22/22 14:35	06/23/22 03:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 02:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 02:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/22/22 14:42	06/23/22 02:40	1
o-Terphenyl	109		70 - 130				06/22/22 14:42	06/23/22 02:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1		4.99		mg/Kg			06/23/22 09:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-193 (5.5')

Lab Sample ID: 880-16195-13

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/22/22 14:35	06/23/22 03:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/22/22 14:35	06/23/22 03:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/22/22 14:35	06/23/22 03:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/22/22 14:35	06/23/22 03:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/22/22 14:35	06/23/22 03:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/22/22 14:35	06/23/22 03:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/22/22 14:35	06/23/22 03:56	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/22/22 14:35	06/23/22 03:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 03:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 03:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/22/22 14:42	06/23/22 03:01	1
o-Terphenyl	107		70 - 130	06/22/22 14:42	06/23/22 03:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.0		4.97		mg/Kg			06/23/22 09:54	1

Client Sample ID: CS-194 (5.5')

Lab Sample ID: 880-16195-14

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 04:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 04:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 04:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/22/22 14:35	06/23/22 04:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 04:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/22/22 14:35	06/23/22 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/22/22 14:35	06/23/22 04:17	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/22/22 14:35	06/23/22 04:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-194 (5.5')

Lab Sample ID: 880-16195-14

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 03:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 03:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/22/22 14:42	06/23/22 03:22	1
o-Terphenyl	119		70 - 130				06/22/22 14:42	06/23/22 03:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.2		4.95		mg/Kg			06/23/22 10:18	1

Client Sample ID: CS-195 (5.5')

Lab Sample ID: 880-16195-15

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 04:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 04:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 04:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/23/22 04:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 04:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/23/22 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				06/22/22 14:35	06/23/22 04:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/22/22 14:35	06/23/22 04:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 03:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-195 (5.5')

Lab Sample ID: 880-16195-15

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 03:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				06/22/22 14:42	06/23/22 03:43	1
o-Terphenyl	118		70 - 130				06/22/22 14:42	06/23/22 03:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.3		4.98		mg/Kg			06/23/22 10:26	1

Client Sample ID: CS-196 (5.5')

Lab Sample ID: 880-16195-16

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 04:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 04:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 04:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 04:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/22/22 14:35	06/23/22 04:57	1
1,4-Difluorobenzene (Surr)	82		70 - 130				06/22/22 14:35	06/23/22 04:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/22/22 14:42	06/23/22 04:04	1
o-Terphenyl	124		70 - 130				06/22/22 14:42	06/23/22 04:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		4.96		mg/Kg			06/23/22 10:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-197 (5.5')

Lab Sample ID: 880-16195-17

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/23/22 05:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/22/22 14:35	06/23/22 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/22/22 14:35	06/23/22 05:18	1
1,4-Difluorobenzene (Surr)	78		70 - 130	06/22/22 14:35	06/23/22 05:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/22/22 14:42	06/23/22 04:25	1
o-Terphenyl	117		70 - 130	06/22/22 14:42	06/23/22 04:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		4.99		mg/Kg			06/23/22 10:41	1

Client Sample ID: CS-198 (5.5')

Lab Sample ID: 880-16195-18

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 05:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 05:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 05:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/22/22 14:35	06/23/22 05:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/22/22 14:35	06/23/22 05:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/22/22 14:35	06/23/22 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/22/22 14:35	06/23/22 05:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/22/22 14:35	06/23/22 05:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-198 (5.5')

Lab Sample ID: 880-16195-18

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/23/22 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				06/22/22 14:42	06/23/22 04:46	1
o-Terphenyl	121		70 - 130				06/22/22 14:42	06/23/22 04:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.3		4.96		mg/Kg			06/23/22 10:49	1

Client Sample ID: SW-57 (5.5')

Lab Sample ID: 880-16195-19

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/23/22 05:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/23/22 05:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/22/22 14:35	06/23/22 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/22/22 14:35	06/23/22 05:59	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/22/22 14:35	06/23/22 05:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 05:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 05:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: SW-57 (5.5')

Lab Sample ID: 880-16195-19

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 05:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/22/22 14:42	06/23/22 05:07	1
o-Terphenyl	105		70 - 130				06/22/22 14:42	06/23/22 05:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		5.05		mg/Kg			06/23/22 10:57	1

Client Sample ID: SW-58 (5.5')

Lab Sample ID: 880-16195-20

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 06:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 06:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 06:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 06:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:35	06/23/22 06:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:35	06/23/22 06:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/22/22 14:35	06/23/22 06:19	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/22/22 14:35	06/23/22 06:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 05:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 05:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:42	06/23/22 05:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/22/22 14:42	06/23/22 05:28	1
o-Terphenyl	108		70 - 130				06/22/22 14:42	06/23/22 05:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.8		4.99		mg/Kg			06/23/22 11:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: SW-59 (5.5')

Lab Sample ID: 880-16195-21

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:31	06/22/22 21:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:31	06/22/22 21:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:31	06/22/22 21:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 14:31	06/22/22 21:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 14:31	06/22/22 21:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 14:31	06/22/22 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/22/22 14:31	06/22/22 21:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/22/22 14:31	06/22/22 21:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/23/22 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/23/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/22/22 14:48	06/22/22 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/22/22 14:48	06/22/22 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/22/22 14:48	06/22/22 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/22/22 14:48	06/22/22 22:17	1
o-Terphenyl	93		70 - 130	06/22/22 14:48	06/22/22 22:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		5.00		mg/Kg			06/22/22 20:40	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
820-4691-A-1-C MS	Matrix Spike	102	100
820-4691-A-1-D MSD	Matrix Spike Duplicate	101	104
880-16195-1	CS-180 (5.5')	111	92
880-16195-1 MS	CS-180 (5.5')	113	100
880-16195-1 MSD	CS-180 (5.5')	111	92
880-16195-2	CS-182 (5.5')	116	90
880-16195-3	CS-183 (5.5')	121	88
880-16195-4	CS-184 (5.5')	91	80
880-16195-5	CS-185 (5.5')	115	90
880-16195-6	CS-186 (5.5')	104	85
880-16195-7	CS-187 (5.5')	107	79
880-16195-8	CS-188 (5.5')	116	87
880-16195-9	CS-189 (5.5')	118	81
880-16195-10	CS-190 (5.5')	93	83
880-16195-11	CS-191 (5.5')	114	91
880-16195-12	CS-192 (5.5')	115	91
880-16195-13	CS-193 (5.5')	116	88
880-16195-14	CS-194 (5.5')	111	80
880-16195-15	CS-195 (5.5')	95	92
880-16195-16	CS-196 (5.5')	109	82
880-16195-17	CS-197 (5.5')	98	78
880-16195-18	CS-198 (5.5')	117	92
880-16195-19	SW-57 (5.5')	115	89
880-16195-20	SW-58 (5.5')	103	79
880-16195-21	SW-59 (5.5')	98	95
LCS 880-28121/1-A	Lab Control Sample	97	97
LCS 880-28160/1-A	Lab Control Sample	124	95
LCSD 880-28121/2-A	Lab Control Sample Dup	95	100
LCSD 880-28160/2-A	Lab Control Sample Dup	108	96
MB 880-28110/5-A	Method Blank	102	90
MB 880-28121/5-A	Method Blank	96	99
MB 880-28160/5-A	Method Blank	101	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-16195-1	CS-180 (5.5')	124	133 S1+
880-16195-1 MS	CS-180 (5.5')	102	99
880-16195-1 MSD	CS-180 (5.5')	102	99
880-16195-2	CS-182 (5.5')	107	115
880-16195-3	CS-183 (5.5')	95	101
880-16195-4	CS-184 (5.5')	110	115
880-16195-5	CS-185 (5.5')	107	110

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-16195-1

Project/Site: Cosmo Booster

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)
880-16195-6	CS-186 (5.5')	107	111
880-16195-7	CS-187 (5.5')	104	112
880-16195-8	CS-188 (5.5')	110	118
880-16195-9	CS-189 (5.5')	111	118
880-16195-10	CS-190 (5.5')	106	112
880-16195-11	CS-191 (5.5')	106	117
880-16195-12	CS-192 (5.5')	104	109
880-16195-13	CS-193 (5.5')	104	107
880-16195-14	CS-194 (5.5')	110	119
880-16195-15	CS-195 (5.5')	108	118
880-16195-16	CS-196 (5.5')	114	124
880-16195-17	CS-197 (5.5')	110	117
880-16195-18	CS-198 (5.5')	112	121
880-16195-19	SW-57 (5.5')	100	105
880-16195-20	SW-58 (5.5')	102	108
880-16195-21	SW-59 (5.5')	88	93
880-16195-21 MS	SW-59 (5.5')	83	81
880-16195-21 MSD	SW-59 (5.5')	97	92
LCS 880-28162/2-A	Lab Control Sample	95	107
LCS 880-28163/2-A	Lab Control Sample	92	95
LCSD 880-28162/3-A	Lab Control Sample Dup	100	112
LCSD 880-28163/3-A	Lab Control Sample Dup	103	109
MB 880-28162/1-A	Method Blank	109	118
MB 880-28163/1-A	Method Blank	102	118

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28110/5-A

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/22/22 09:57	06/22/22 11:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/22/22 09:57	06/22/22 11:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/22/22 09:57	06/22/22 11:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/22/22 09:57	06/22/22 11:24	1

Lab Sample ID: MB 880-28121/5-A

Matrix: Solid

Analysis Batch: 28094

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 10:29	06/22/22 12:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 10:29	06/22/22 12:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 10:29	06/22/22 12:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/22 10:29	06/22/22 12:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 10:29	06/22/22 12:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/22 10:29	06/22/22 12:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/22/22 10:29	06/22/22 12:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/22/22 10:29	06/22/22 12:59	1

Lab Sample ID: LCS 880-28121/1-A

Matrix: Solid

Analysis Batch: 28094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08290		mg/Kg		83	70 - 130
Toluene	0.100	0.08342		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08730		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1754		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09637		mg/Kg		96	70 - 130

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

Lab Sample ID: LCSD 880-28121/2-A

Matrix: Solid

Analysis Batch: 28094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28121

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08825		mg/Kg		88	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-28121/2-A

Matrix: Solid

Analysis Batch: 28094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28121

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08303		mg/Kg		83	70 - 130	0	35
Ethylbenzene	0.100	0.08618		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1717		mg/Kg		86	70 - 130	2	35
o-Xylene	0.100	0.09388		mg/Kg		94	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 820-4691-A-1-C MS

Matrix: Solid

Analysis Batch: 28094

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28121

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0998	0.06857	F1	mg/Kg		69	70 - 130
Toluene	<0.00201	U F1	0.0998	0.06772	F1	mg/Kg		68	70 - 130
Ethylbenzene	<0.00201	U F1	0.0998	0.06871	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1375	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00201	U	0.0998	0.07474		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 820-4691-A-1-D MSD

Matrix: Solid

Analysis Batch: 28094

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28121

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0994	0.07432		mg/Kg		75	70 - 130	8	35
Toluene	<0.00201	U F1	0.0994	0.06696	F1	mg/Kg		67	70 - 130	1	35
Ethylbenzene	<0.00201	U F1	0.0994	0.06584	F1	mg/Kg		66	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1304	F1	mg/Kg		66	70 - 130	5	35
o-Xylene	<0.00201	U	0.0994	0.07145		mg/Kg		72	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-28160/5-A

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/22/22 14:35	06/22/22 22:28	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-28160/5-A

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/22/22 14:35	06/22/22 22:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/22/22 14:35	06/22/22 22:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/22/22 14:35	06/22/22 22:28	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/22/22 14:35	06/22/22 22:28	1

Lab Sample ID: LCS 880-28160/1-A

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1039		mg/Kg		104	70 - 130
Toluene	0.100	0.1088		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1177		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	0.200	0.2429		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1242		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-28160/2-A

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09569		mg/Kg		96	70 - 130	8	35
Toluene	0.100	0.09378		mg/Kg		94	70 - 130	15	35
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130	17	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	19	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-16195-1 MS

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: CS-180 (5.5')

Prep Type: Total/NA

Prep Batch: 28160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.09037		mg/Kg		90	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.08932		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.09356		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.1918		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09726		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-16195-1 MS

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: CS-180 (5.5')

Prep Type: Total/NA

Prep Batch: 28160

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-16195-1 MSD

Matrix: Solid

Analysis Batch: 28092

Client Sample ID: CS-180 (5.5')

Prep Type: Total/NA

Prep Batch: 28160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0998	0.04960	F1 F2	mg/Kg		50	70 - 130	58	35
Toluene	<0.00200	U F1 F2	0.0998	0.05782	F1 F2	mg/Kg		58	70 - 130	43	35
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.06510	F1 F2	mg/Kg		65	70 - 130	36	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.1320	F1 F2	mg/Kg		66	70 - 130	37	35
o-Xylene	<0.00200	U	0.0998	0.07159		mg/Kg		71	70 - 130	30	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-28162/1-A

Matrix: Solid

Analysis Batch: 28084

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28162

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		06/22/22 14:42	06/22/22 20:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/22/22 20:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:42	06/22/22 20:39	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	109		70 - 130	06/22/22 14:42	06/22/22 20:39	1			
o-Terphenyl	118		70 - 130	06/22/22 14:42	06/22/22 20:39	1			

Lab Sample ID: LCS 880-28162/2-A

Matrix: Solid

Analysis Batch: 28084

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	801.0		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	929.7		mg/Kg		93	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	107		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-28162/3-A

Matrix: Solid

Analysis Batch: 28084

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28162

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	821.9		mg/Kg		82	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	939.5		mg/Kg		94	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	112		70 - 130						

Lab Sample ID: 880-16195-1 MS

Matrix: Solid

Analysis Batch: 28084

Client Sample ID: CS-180 (5.5')

Prep Type: Total/NA

Prep Batch: 28162

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	<49.9	U	998	1056		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1086		mg/Kg		109	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 880-16195-1 MSD

Matrix: Solid

Analysis Batch: 28084

Client Sample ID: CS-180 (5.5')

Prep Type: Total/NA

Prep Batch: 28162

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1131		mg/Kg		110	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1116		mg/Kg		112	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: MB 880-28163/1-A

Matrix: Solid

Analysis Batch: 28090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28163

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		06/22/22 14:48	06/22/22 21:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/22/22 14:48	06/22/22 21:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/22/22 14:48	06/22/22 21:15	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-28163/1-A

Matrix: Solid

Analysis Batch: 28090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28163

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	102		70 - 130	06/22/22 14:48	06/22/22 21:15	1				
o-Terphenyl	118		70 - 130	06/22/22 14:48	06/22/22 21:15	1				

Lab Sample ID: LCS 880-28163/2-A

Matrix: Solid

Analysis Batch: 28090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28163

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	969.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	838.0		mg/Kg		84	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: LCSD 880-28163/3-A

Matrix: Solid

Analysis Batch: 28090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28163

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1169		mg/Kg		117	70 - 130	19	20	
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130	18	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	103		70 - 130									
o-Terphenyl	109		70 - 130									

Lab Sample ID: 880-16195-21 MS

Matrix: Solid

Analysis Batch: 28090

Client Sample ID: SW-59 (5.5')

Prep Type: Total/NA

Prep Batch: 28163

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1070		mg/Kg		103	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	998	780.0		mg/Kg		78	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	83		70 - 130									
o-Terphenyl	81		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-16195-21 MSD

Matrix: Solid

Analysis Batch: 28090

Client Sample ID: SW-59 (5.5')

Prep Type: Total/NA

Prep Batch: 28163

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1188		mg/Kg		115	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	898.5		mg/Kg		90	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	92		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28082/1-A

Matrix: Solid

Analysis Batch: 28134

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			06/22/22 15:02	1

Lab Sample ID: LCS 880-28082/2-A

Matrix: Solid

Analysis Batch: 28134

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-28082/3-A

Matrix: Solid

Analysis Batch: 28134

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	255.6		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-2438-A-1-E MS

Matrix: Solid

Analysis Batch: 28134

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	333	F1	252	491.8	F1	mg/Kg		63	90 - 110

Lab Sample ID: 890-2438-A-1-F MSD

Matrix: Solid

Analysis Batch: 28134

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	333	F1	252	494.4	F1	mg/Kg		64	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-28164/1-A

Matrix: Solid

Analysis Batch: 28174

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			06/23/22 03:32	1

Lab Sample ID: LCS 880-28164/2-A

Matrix: Solid

Analysis Batch: 28174

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-28164/3-A

Matrix: Solid

Analysis Batch: 28174

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	261.1		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-16195-1 MS

Matrix: Solid

Analysis Batch: 28174

Client Sample ID: CS-180 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.8		249	285.3		mg/Kg		94	90 - 110

Lab Sample ID: 880-16195-1 MSD

Matrix: Solid

Analysis Batch: 28174

Client Sample ID: CS-180 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50.8		249	286.9		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-16195-11 MS

Matrix: Solid

Analysis Batch: 28174

Client Sample ID: CS-191 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.9	F1 F2	250	366.9	F1	mg/Kg		128	90 - 110

Lab Sample ID: 880-16195-11 MSD

Matrix: Solid

Analysis Batch: 28174

Client Sample ID: CS-191 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.9	F1 F2	250	297.5	F2	mg/Kg		100	90 - 110	21	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 28092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Total/NA	Solid	8021B	28160
880-16195-2	CS-182 (5.5')	Total/NA	Solid	8021B	28160
880-16195-3	CS-183 (5.5')	Total/NA	Solid	8021B	28160
880-16195-4	CS-184 (5.5')	Total/NA	Solid	8021B	28160
880-16195-5	CS-185 (5.5')	Total/NA	Solid	8021B	28160
880-16195-6	CS-186 (5.5')	Total/NA	Solid	8021B	28160
880-16195-7	CS-187 (5.5')	Total/NA	Solid	8021B	28160
880-16195-8	CS-188 (5.5')	Total/NA	Solid	8021B	28160
880-16195-9	CS-189 (5.5')	Total/NA	Solid	8021B	28160
880-16195-10	CS-190 (5.5')	Total/NA	Solid	8021B	28160
880-16195-11	CS-191 (5.5')	Total/NA	Solid	8021B	28160
880-16195-12	CS-192 (5.5')	Total/NA	Solid	8021B	28160
880-16195-13	CS-193 (5.5')	Total/NA	Solid	8021B	28160
880-16195-14	CS-194 (5.5')	Total/NA	Solid	8021B	28160
880-16195-15	CS-195 (5.5')	Total/NA	Solid	8021B	28160
880-16195-16	CS-196 (5.5')	Total/NA	Solid	8021B	28160
880-16195-17	CS-197 (5.5')	Total/NA	Solid	8021B	28160
880-16195-18	CS-198 (5.5')	Total/NA	Solid	8021B	28160
880-16195-19	SW-57 (5.5')	Total/NA	Solid	8021B	28160
880-16195-20	SW-58 (5.5')	Total/NA	Solid	8021B	28160
MB 880-28110/5-A	Method Blank	Total/NA	Solid	8021B	28110
MB 880-28160/5-A	Method Blank	Total/NA	Solid	8021B	28160
LCS 880-28160/1-A	Lab Control Sample	Total/NA	Solid	8021B	28160
LCSD 880-28160/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28160
880-16195-1 MS	CS-180 (5.5')	Total/NA	Solid	8021B	28160
880-16195-1 MSD	CS-180 (5.5')	Total/NA	Solid	8021B	28160

Analysis Batch: 28094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-21	SW-59 (5.5')	Total/NA	Solid	8021B	28121
MB 880-28121/5-A	Method Blank	Total/NA	Solid	8021B	28121
LCS 880-28121/1-A	Lab Control Sample	Total/NA	Solid	8021B	28121
LCSD 880-28121/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28121
820-4691-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	28121
820-4691-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28121

Prep Batch: 28110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28110/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 28121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-21	SW-59 (5.5')	Total/NA	Solid	5035	
MB 880-28121/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28121/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28121/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-4691-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
820-4691-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 28160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Total/NA	Solid	5035	
880-16195-2	CS-182 (5.5')	Total/NA	Solid	5035	
880-16195-3	CS-183 (5.5')	Total/NA	Solid	5035	
880-16195-4	CS-184 (5.5')	Total/NA	Solid	5035	
880-16195-5	CS-185 (5.5')	Total/NA	Solid	5035	
880-16195-6	CS-186 (5.5')	Total/NA	Solid	5035	
880-16195-7	CS-187 (5.5')	Total/NA	Solid	5035	
880-16195-8	CS-188 (5.5')	Total/NA	Solid	5035	
880-16195-9	CS-189 (5.5')	Total/NA	Solid	5035	
880-16195-10	CS-190 (5.5')	Total/NA	Solid	5035	
880-16195-11	CS-191 (5.5')	Total/NA	Solid	5035	
880-16195-12	CS-192 (5.5')	Total/NA	Solid	5035	
880-16195-13	CS-193 (5.5')	Total/NA	Solid	5035	
880-16195-14	CS-194 (5.5')	Total/NA	Solid	5035	
880-16195-15	CS-195 (5.5')	Total/NA	Solid	5035	
880-16195-16	CS-196 (5.5')	Total/NA	Solid	5035	
880-16195-17	CS-197 (5.5')	Total/NA	Solid	5035	
880-16195-18	CS-198 (5.5')	Total/NA	Solid	5035	
880-16195-19	SW-57 (5.5')	Total/NA	Solid	5035	
880-16195-20	SW-58 (5.5')	Total/NA	Solid	5035	
MB 880-28160/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28160/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28160/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16195-1 MS	CS-180 (5.5')	Total/NA	Solid	5035	
880-16195-1 MSD	CS-180 (5.5')	Total/NA	Solid	5035	

Analysis Batch: 28226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-2	CS-182 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-3	CS-183 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-4	CS-184 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-5	CS-185 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-6	CS-186 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-7	CS-187 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-8	CS-188 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-9	CS-189 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-10	CS-190 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-11	CS-191 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-12	CS-192 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-13	CS-193 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-14	CS-194 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-15	CS-195 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-16	CS-196 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-17	CS-197 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-18	CS-198 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-19	SW-57 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-20	SW-58 (5.5')	Total/NA	Solid	Total BTEX	
880-16195-21	SW-59 (5.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 28084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-2	CS-182 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-3	CS-183 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-4	CS-184 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-5	CS-185 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-6	CS-186 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-7	CS-187 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-8	CS-188 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-9	CS-189 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-10	CS-190 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-11	CS-191 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-12	CS-192 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-13	CS-193 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-14	CS-194 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-15	CS-195 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-16	CS-196 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-17	CS-197 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-18	CS-198 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-19	SW-57 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-20	SW-58 (5.5')	Total/NA	Solid	8015B NM	28162
MB 880-28162/1-A	Method Blank	Total/NA	Solid	8015B NM	28162
LCS 880-28162/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28162
LCSD 880-28162/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28162
880-16195-1 MS	CS-180 (5.5')	Total/NA	Solid	8015B NM	28162
880-16195-1 MSD	CS-180 (5.5')	Total/NA	Solid	8015B NM	28162

Analysis Batch: 28090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-21	SW-59 (5.5')	Total/NA	Solid	8015B NM	28163
MB 880-28163/1-A	Method Blank	Total/NA	Solid	8015B NM	28163
LCS 880-28163/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28163
LCSD 880-28163/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28163
880-16195-21 MS	SW-59 (5.5')	Total/NA	Solid	8015B NM	28163
880-16195-21 MSD	SW-59 (5.5')	Total/NA	Solid	8015B NM	28163

Prep Batch: 28162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-2	CS-182 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-3	CS-183 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-4	CS-184 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-5	CS-185 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-6	CS-186 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-7	CS-187 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-8	CS-188 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-9	CS-189 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-10	CS-190 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-11	CS-191 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-12	CS-192 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-13	CS-193 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-14	CS-194 (5.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 28162 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-15	CS-195 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-16	CS-196 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-17	CS-197 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-18	CS-198 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-19	SW-57 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-20	SW-58 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-28162/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28162/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28162/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16195-1 MS	CS-180 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-1 MSD	CS-180 (5.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 28163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-21	SW-59 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-28163/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28163/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28163/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16195-21 MS	SW-59 (5.5')	Total/NA	Solid	8015NM Prep	
880-16195-21 MSD	SW-59 (5.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Total/NA	Solid	8015 NM	
880-16195-2	CS-182 (5.5')	Total/NA	Solid	8015 NM	
880-16195-3	CS-183 (5.5')	Total/NA	Solid	8015 NM	
880-16195-4	CS-184 (5.5')	Total/NA	Solid	8015 NM	
880-16195-5	CS-185 (5.5')	Total/NA	Solid	8015 NM	
880-16195-6	CS-186 (5.5')	Total/NA	Solid	8015 NM	
880-16195-7	CS-187 (5.5')	Total/NA	Solid	8015 NM	
880-16195-8	CS-188 (5.5')	Total/NA	Solid	8015 NM	
880-16195-9	CS-189 (5.5')	Total/NA	Solid	8015 NM	
880-16195-10	CS-190 (5.5')	Total/NA	Solid	8015 NM	
880-16195-11	CS-191 (5.5')	Total/NA	Solid	8015 NM	
880-16195-12	CS-192 (5.5')	Total/NA	Solid	8015 NM	
880-16195-13	CS-193 (5.5')	Total/NA	Solid	8015 NM	
880-16195-14	CS-194 (5.5')	Total/NA	Solid	8015 NM	
880-16195-15	CS-195 (5.5')	Total/NA	Solid	8015 NM	
880-16195-16	CS-196 (5.5')	Total/NA	Solid	8015 NM	
880-16195-17	CS-197 (5.5')	Total/NA	Solid	8015 NM	
880-16195-18	CS-198 (5.5')	Total/NA	Solid	8015 NM	
880-16195-19	SW-57 (5.5')	Total/NA	Solid	8015 NM	
880-16195-20	SW-58 (5.5')	Total/NA	Solid	8015 NM	
880-16195-21	SW-59 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-21	SW-59 (5.5')	Soluble	Solid	DI Leach	
MB 880-28082/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 28082 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-28082/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28082/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2438-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2438-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 28134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-21	SW-59 (5.5')	Soluble	Solid	300.0	28082
MB 880-28082/1-A	Method Blank	Soluble	Solid	300.0	28082
LCS 880-28082/2-A	Lab Control Sample	Soluble	Solid	300.0	28082
LCSD 880-28082/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28082
890-2438-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	28082
890-2438-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	28082

Leach Batch: 28164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Soluble	Solid	DI Leach	
880-16195-2	CS-182 (5.5')	Soluble	Solid	DI Leach	
880-16195-3	CS-183 (5.5')	Soluble	Solid	DI Leach	
880-16195-4	CS-184 (5.5')	Soluble	Solid	DI Leach	
880-16195-5	CS-185 (5.5')	Soluble	Solid	DI Leach	
880-16195-6	CS-186 (5.5')	Soluble	Solid	DI Leach	
880-16195-7	CS-187 (5.5')	Soluble	Solid	DI Leach	
880-16195-8	CS-188 (5.5')	Soluble	Solid	DI Leach	
880-16195-9	CS-189 (5.5')	Soluble	Solid	DI Leach	
880-16195-10	CS-190 (5.5')	Soluble	Solid	DI Leach	
880-16195-11	CS-191 (5.5')	Soluble	Solid	DI Leach	
880-16195-12	CS-192 (5.5')	Soluble	Solid	DI Leach	
880-16195-13	CS-193 (5.5')	Soluble	Solid	DI Leach	
880-16195-14	CS-194 (5.5')	Soluble	Solid	DI Leach	
880-16195-15	CS-195 (5.5')	Soluble	Solid	DI Leach	
880-16195-16	CS-196 (5.5')	Soluble	Solid	DI Leach	
880-16195-17	CS-197 (5.5')	Soluble	Solid	DI Leach	
880-16195-18	CS-198 (5.5')	Soluble	Solid	DI Leach	
880-16195-19	SW-57 (5.5')	Soluble	Solid	DI Leach	
880-16195-20	SW-58 (5.5')	Soluble	Solid	DI Leach	
MB 880-28164/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28164/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28164/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16195-1 MS	CS-180 (5.5')	Soluble	Solid	DI Leach	
880-16195-1 MSD	CS-180 (5.5')	Soluble	Solid	DI Leach	
880-16195-11 MS	CS-191 (5.5')	Soluble	Solid	DI Leach	
880-16195-11 MSD	CS-191 (5.5')	Soluble	Solid	DI Leach	

Analysis Batch: 28174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-1	CS-180 (5.5')	Soluble	Solid	300.0	28164
880-16195-2	CS-182 (5.5')	Soluble	Solid	300.0	28164
880-16195-3	CS-183 (5.5')	Soluble	Solid	300.0	28164
880-16195-4	CS-184 (5.5')	Soluble	Solid	300.0	28164
880-16195-5	CS-185 (5.5')	Soluble	Solid	300.0	28164

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 28174 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16195-6	CS-186 (5.5')	Soluble	Solid	300.0	28164
880-16195-7	CS-187 (5.5')	Soluble	Solid	300.0	28164
880-16195-8	CS-188 (5.5')	Soluble	Solid	300.0	28164
880-16195-9	CS-189 (5.5')	Soluble	Solid	300.0	28164
880-16195-10	CS-190 (5.5')	Soluble	Solid	300.0	28164
880-16195-11	CS-191 (5.5')	Soluble	Solid	300.0	28164
880-16195-12	CS-192 (5.5')	Soluble	Solid	300.0	28164
880-16195-13	CS-193 (5.5')	Soluble	Solid	300.0	28164
880-16195-14	CS-194 (5.5')	Soluble	Solid	300.0	28164
880-16195-15	CS-195 (5.5')	Soluble	Solid	300.0	28164
880-16195-16	CS-196 (5.5')	Soluble	Solid	300.0	28164
880-16195-17	CS-197 (5.5')	Soluble	Solid	300.0	28164
880-16195-18	CS-198 (5.5')	Soluble	Solid	300.0	28164
880-16195-19	SW-57 (5.5')	Soluble	Solid	300.0	28164
880-16195-20	SW-58 (5.5')	Soluble	Solid	300.0	28164
MB 880-28164/1-A	Method Blank	Soluble	Solid	300.0	28164
LCS 880-28164/2-A	Lab Control Sample	Soluble	Solid	300.0	28164
LCSD 880-28164/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28164
880-16195-1 MS	CS-180 (5.5')	Soluble	Solid	300.0	28164
880-16195-1 MSD	CS-180 (5.5')	Soluble	Solid	300.0	28164
880-16195-11 MS	CS-191 (5.5')	Soluble	Solid	300.0	28164
880-16195-11 MSD	CS-191 (5.5')	Soluble	Solid	300.0	28164

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-180 (5.5')

Lab Sample ID: 880-16195-1

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 22:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/22/22 21:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 03:56	CH	XEN MID

Client Sample ID: CS-182 (5.5')

Lab Sample ID: 880-16195-2

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 23:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/22/22 22:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 04:19	CH	XEN MID

Client Sample ID: CS-183 (5.5')

Lab Sample ID: 880-16195-3

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 23:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/22/22 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 04:27	CH	XEN MID

Client Sample ID: CS-184 (5.5')

Lab Sample ID: 880-16195-4

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/22/22 23:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-184 (5.5')

Lab Sample ID: 880-16195-4

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/22/22 23:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 04:35	CH	XEN MID

Client Sample ID: CS-185 (5.5')

Lab Sample ID: 880-16195-5

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 00:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/22/22 23:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 08:20	CH	XEN MID

Client Sample ID: CS-186 (5.5')

Lab Sample ID: 880-16195-6

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 00:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 00:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 08:43	CH	XEN MID

Client Sample ID: CS-187 (5.5')

Lab Sample ID: 880-16195-7

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 00:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 00:34	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-187 (5.5')

Lab Sample ID: 880-16195-7

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 08:51	CH	XEN MID

Client Sample ID: CS-188 (5.5')

Lab Sample ID: 880-16195-8

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 01:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 00:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 08:59	CH	XEN MID

Client Sample ID: CS-189 (5.5')

Lab Sample ID: 880-16195-9

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 01:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 09:07	CH	XEN MID

Client Sample ID: CS-190 (5.5')

Lab Sample ID: 880-16195-10

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 01:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 01:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 09:15	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-191 (5.5')

Lab Sample ID: 880-16195-11

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 03:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 02:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 09:23	CH	XEN MID

Client Sample ID: CS-192 (5.5')

Lab Sample ID: 880-16195-12

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 03:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 02:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 09:46	CH	XEN MID

Client Sample ID: CS-193 (5.5')

Lab Sample ID: 880-16195-13

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 03:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 03:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 09:54	CH	XEN MID

Client Sample ID: CS-194 (5.5')

Lab Sample ID: 880-16195-14

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 04:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-194 (5.5')

Lab Sample ID: 880-16195-14

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 03:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 10:18	CH	XEN MID

Client Sample ID: CS-195 (5.5')

Lab Sample ID: 880-16195-15

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 04:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 03:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 10:26	CH	XEN MID

Client Sample ID: CS-196 (5.5')

Lab Sample ID: 880-16195-16

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 04:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 04:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 10:33	CH	XEN MID

Client Sample ID: CS-197 (5.5')

Lab Sample ID: 880-16195-17

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 05:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 04:25	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: CS-197 (5.5')

Lab Sample ID: 880-16195-17

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 10:41	CH	XEN MID

Client Sample ID: CS-198 (5.5')

Lab Sample ID: 880-16195-18

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 05:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 04:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 10:49	CH	XEN MID

Client Sample ID: SW-57 (5.5')

Lab Sample ID: 880-16195-19

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 05:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 05:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 10:57	CH	XEN MID

Client Sample ID: SW-58 (5.5')

Lab Sample ID: 880-16195-20

Date Collected: 06/21/22 00:00

Matrix: Solid

Date Received: 06/22/22 14:00

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	28160	06/22/22 14:35	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28092	06/23/22 06:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28162	06/22/22 14:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28084	06/23/22 05:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28164	06/22/22 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			28174	06/23/22 11:05	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Client Sample ID: SW-59 (5.5')
Date Collected: 06/21/22 00:00
Date Received: 06/22/22 14:00

Lab Sample ID: 880-16195-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	28121	06/22/22 14:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28094	06/22/22 21:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28226	06/23/22 11:15	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28207	06/23/22 09:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28163	06/22/22 14:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28090	06/22/22 22:17	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28082	06/22/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			28134	06/22/22 20:40	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
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	T104704400-21-22	06-30-22

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: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16195-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16195-1	CS-180 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-2	CS-182 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-3	CS-183 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-4	CS-184 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-5	CS-185 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-6	CS-186 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-7	CS-187 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-8	CS-188 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-9	CS-189 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-10	CS-190 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-11	CS-191 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-12	CS-192 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-13	CS-193 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-14	CS-194 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-15	CS-195 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-16	CS-196 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-17	CS-197 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-18	CS-198 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-19	SW-57 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-20	SW-58 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00
880-16195-21	SW-59 (5.5')	Solid	06/21/22 00:00	06/22/22 14:00

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Work Order No: 16195

Page 1 of 3

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permain
Address	310 W Wall St Ste 415	Address	865 North Albion St Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813 6823	Email	joseph.vargo@naglep.com

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RRC
State of Project:	☐ Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV		
Reporting Level II	☐	☐	☐
Deliverables	EDD ☐	ADAPT ☐	Other ☐

Project Name	Cosmo Booster	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	1028	Due Date	24 Hrs													None NO	DI Water H ₂ O
Project Location	Lea Co, NM	TAT starts the day received by the lab if received by 4:30pm														Cool Cool	MeOH Me
Sampler's Name	CCM															HCL, HC	HNO ₃ HN
PO #																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No										H ₃ PO ₄ HP	
Received Intact	Yes	No		Thermometer ID												NaHSO ₄ NABIS	
Cooler Custody Seals	Yes	No		Correction Factor												Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes	No		Temperature Reading												Zn Acetate+NaOH Zn	
Total Containers				Corrected Temperature												NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments
CS-180 (5 5')	6/21/2022		X		C	1	BTX 8021B										
CS-182 (5 5')	6/21/2022		X		C	1	TPH 8015M (GRO + DRO + MRO)										
CS-183 (5 5')	6/21/2022		X		C	1	Chloride 300.0										
CS-184 (5 5')	6/21/2022		X		C	1											
CS-185 (5 5')	6/21/2022		X		C	1											
CS-186 (5 5')	6/21/2022		X		C	1											
CS-187 (5 5')	6/21/2022		X		C	1											
CS-188 (5 5')	6/21/2022		X		C	1											
CS-189 (5 5')	6/21/2022		X		C	1											
CS-190 (5 5')	6/21/2022		X		C	1											



880-16195 Chain of Custody

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
Mike Carmona		6/21/22 1400	VVA		

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Work Order No: 10195

Page 2 of 3

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St Ste 400
City, State Zip	Midland TX 79701	City, State Zip	Denver, CO 80220
Phone	432 813 6823	Email	joseph.vargo@nqlep.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Unperfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables EDD ☐ Adapt ☐ Other	

Project Name		Cosmo Booster		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1028	☐ Routine	☒ Rush	Due Date	24 Hrs													None NO	DI Water H ₂ O		
Project Location	Lea Co. NM				TAT starts the day received by the lab if received by 4:30pm													Cool Cool	MeOH Me		
Sampler's Name	CCM																	HCL HC	HNO ₃ HN		
PO #																		H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No													H ₃ PO ₄ HP		
	Received Intact	Yes	No	Thermometer ID													NaHSO ₄ NABIS				
	Cooler Custody Seals	Yes	No	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 SACP		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-191 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-192 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-193 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-194 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-195 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-196 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-197 (5 5)		6/21/2022		X		C	1	X	X	X											
CS-198 (5 5)		6/21/2022		X		C	1	X	X	X											
SW-57 (5 5)		6/21/2022		X		C	1	X	X	X											
SW-58 (5 5)		6/21/2022		X		C	1	X	X	X											

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Mike Conner</i>		6/21/22 1400	<i>UA</i>		

Work Order No: _____

Loc: 880
16195

5

6/23/2022

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-16195-1

SDG Number: Lea Co, NM

Login Number: 16195

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	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2455-1
Laboratory Sample Delivery Group: 1028
Client Project/Site: COSMO BOOSTER

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

Attn: Conner Moehring

Authorized for release by:
6/26/2022 8:08:07 PM

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

LINKS

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results through



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

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

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Laboratory Job ID: 890-2455-1
SDG: 1028

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	24
QC Sample Results	26
QC Association Summary	35
Lab Chronicle	41
Certification Summary	48
Method Summary	49
Sample Summary	50
Chain of Custody	51
Receipt Checklists	54

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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
SQL	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: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Job ID: 890-2455-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-2455-1**

Receipt

The samples were received on 6/23/2022 12:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28310 and analytical batch 880-28308 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: LCSD outside acceptance limits for o xylene. Since all that;s required by method is an LCS and the RPD was acceptable, the data was reported.(LCSD 880-28310/2-A)

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-146 (3')

Lab Sample ID: 890-2455-1

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 12:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 12:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/22 09:29	06/24/22 12:23	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/22 09:29	06/24/22 12:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 11:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 11:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 11:56	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/22 07:40	06/24/22 11:56	1
o-Terphenyl	105		70 - 130	06/24/22 07:40	06/24/22 11:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		5.00		mg/Kg			06/24/22 16:07	1

Client Sample ID: CS-147 (3')

Lab Sample ID: 890-2455-2

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 12:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 12:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 12:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 12:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 12:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 12:44	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-147 (3')

Lab Sample ID: 890-2455-2

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/24/22 09:29	06/24/22 12:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/24/22 09:29	06/24/22 12:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 12:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 12:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 12:18	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/24/22 07:40	06/24/22 12:18	1
o-Terphenyl	104		70 - 130	06/24/22 07:40	06/24/22 12:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.99		mg/Kg			06/24/22 17:49	1

Client Sample ID: CS-148 (3')

Lab Sample ID: 890-2455-3

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 13:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/24/22 09:29	06/24/22 13:04	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/24/22 09:29	06/24/22 13:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-148 (3')

Lab Sample ID: 890-2455-3

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 12:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 12:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 12:40	1
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/22 07:40	06/24/22 12:40	1
o-Terphenyl	107		70 - 130	06/24/22 07:40	06/24/22 12:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.97		mg/Kg			06/24/22 17:58	1

Client Sample ID: CS-149 (3')

Lab Sample ID: 890-2455-4

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 13:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 13:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	06/24/22 09:29	06/24/22 13:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/22 09:29	06/24/22 13:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 13:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 13:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 13:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-149 (3')

Lab Sample ID: 890-2455-4

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/24/22 07:40	06/24/22 13:01	1
o-Terphenyl	113		70 - 130				06/24/22 07:40	06/24/22 13:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.99		mg/Kg			06/24/22 18:07	1

Client Sample ID: CS-150 (3')

Lab Sample ID: 890-2455-5

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 13:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:29	06/24/22 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/24/22 09:29	06/24/22 13:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/24/22 09:29	06/24/22 13:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:23	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/24/22 07:40	06/24/22 13:23	1
o-Terphenyl	99		70 - 130				06/24/22 07:40	06/24/22 13:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-150 (3')

Lab Sample ID: 890-2455-5

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.00		mg/Kg			06/24/22 18:17	1

Client Sample ID: CS-151 (3')

Lab Sample ID: 890-2455-6

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 14:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 14:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 14:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 14:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:29	06/24/22 14:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:29	06/24/22 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/24/22 09:29	06/24/22 14:06	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/24/22 09:29	06/24/22 14:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:44	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/24/22 07:40	06/24/22 13:44	1
o-Terphenyl	102		70 - 130				06/24/22 07:40	06/24/22 13:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		4.99		mg/Kg			06/24/22 20:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-152 (3')

Lab Sample ID: 890-2455-7

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 14:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/24/22 09:29	06/24/22 14:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/24/22 09:29	06/24/22 14:26	1

Method: 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			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:06	1
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/24/22 07:40	06/24/22 14:06	1
o-Terphenyl	104		70 - 130	06/24/22 07:40	06/24/22 14:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.04		mg/Kg			06/24/22 20:26	1

Client Sample ID: CS-153 (3')

Lab Sample ID: 890-2455-8

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/24/22 09:29	06/24/22 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 14:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/24/22 09:29	06/24/22 14:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-153 (3')

Lab Sample ID: 890-2455-8

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/24/22 09:29	06/24/22 14:47	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/22 09:29	06/24/22 14:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:28	1
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:40	06/24/22 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	06/24/22 07:40	06/24/22 14:28	1
o-Terphenyl	102		70 - 130	06/24/22 07:40	06/24/22 14:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.98		mg/Kg			06/24/22 20:35	1

Client Sample ID: CS-154 (3')

Lab Sample ID: 890-2455-9

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/22 09:29	06/24/22 15:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/24/22 09:29	06/24/22 15:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/22 09:29	06/24/22 15:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/24/22 09:29	06/24/22 15:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/24/22 09:29	06/24/22 15:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/22 09:29	06/24/22 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/24/22 09:29	06/24/22 15:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/22 09:29	06/24/22 15:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/24/22 14:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-154 (3')

Lab Sample ID: 890-2455-9

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 14:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 14:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 14:49	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/24/22 07:40	06/24/22 14:49	1
o-Terphenyl	99		70 - 130	06/24/22 07:40	06/24/22 14:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.95		mg/Kg			06/24/22 20:45	1

Client Sample ID: CS-159 (4.5')

Lab Sample ID: 890-2455-10

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/24/22 09:32	06/24/22 14:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/24/22 09:32	06/24/22 14:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/24/22 09:32	06/24/22 14:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/24/22 09:32	06/24/22 14:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/24/22 09:32	06/24/22 14:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/24/22 09:32	06/24/22 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/24/22 09:32	06/24/22 14:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/24/22 09:32	06/24/22 14:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-159 (4.5')

Lab Sample ID: 890-2455-10

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/24/22 07:40	06/24/22 15:33	1
o-Terphenyl	100		70 - 130				06/24/22 07:40	06/24/22 15:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.98		mg/Kg			06/24/22 20:54	1

Client Sample ID: CS-160 (4.5')

Lab Sample ID: 890-2455-11

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 14:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:32	06/24/22 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 14:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:32	06/24/22 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/24/22 09:32	06/24/22 14:47	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/24/22 09:32	06/24/22 14:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:54	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/24/22 07:40	06/24/22 15:54	1
o-Terphenyl	98		70 - 130				06/24/22 07:40	06/24/22 15:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-160 (4.5')

Lab Sample ID: 890-2455-11

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		5.00		mg/Kg			06/24/22 21:03	1

Client Sample ID: CS-161 (4.5')

Lab Sample ID: 890-2455-12

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:32	06/24/22 15:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:32	06/24/22 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/24/22 09:32	06/24/22 15:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/24/22 09:32	06/24/22 15:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:29	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/24/22 07:38	06/24/22 12:29	1
o-Terphenyl	92		70 - 130				06/24/22 07:38	06/24/22 12:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.05		mg/Kg			06/24/22 21:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-162 (4.5')

Lab Sample ID: 890-2455-13

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:32	06/24/22 15:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 15:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:32	06/24/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/24/22 09:32	06/24/22 15:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/24/22 09:32	06/24/22 15:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:50	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/24/22 07:38	06/24/22 12:50	1
o-Terphenyl	103		70 - 130	06/24/22 07:38	06/24/22 12:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.04		mg/Kg			06/24/22 21:40	1

Client Sample ID: CS-175 (5.5')

Lab Sample ID: 890-2455-14

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 15:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 15:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 15:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:32	06/24/22 15:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 15:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:32	06/24/22 15:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-175 (5.5')

Lab Sample ID: 890-2455-14

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/24/22 09:32	06/24/22 15:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/24/22 09:32	06/24/22 15:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 13:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 13:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 13:11	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/24/22 07:38	06/24/22 13:11	1
o-Terphenyl	90		70 - 130	06/24/22 07:38	06/24/22 13:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.04		mg/Kg			06/24/22 22:08	1

Client Sample ID: CS-176 (5.5')

Lab Sample ID: 890-2455-15

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/24/22 09:32	06/24/22 16:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/24/22 09:32	06/24/22 16:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/24/22 09:32	06/24/22 16:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/24/22 09:32	06/24/22 16:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/24/22 09:32	06/24/22 16:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/24/22 09:32	06/24/22 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/24/22 09:32	06/24/22 16:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/24/22 09:32	06/24/22 16:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/24/22 14:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-176 (5.5')

Lab Sample ID: 890-2455-15

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:32	1
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/24/22 07:38	06/24/22 13:32	1
o-Terphenyl	93		70 - 130	06/24/22 07:38	06/24/22 13:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.98		mg/Kg			06/24/22 22:17	1

Client Sample ID: CS-177 (5.5')

Lab Sample ID: 890-2455-16

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 16:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:32	06/24/22 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:32	06/24/22 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:32	06/24/22 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/24/22 09:32	06/24/22 16:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/24/22 09:32	06/24/22 16:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-177 (5.5')

Lab Sample ID: 890-2455-16

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/24/22 07:38	06/24/22 13:52	1
o-Terphenyl	105		70 - 130				06/24/22 07:38	06/24/22 13:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		5.00		mg/Kg			06/24/22 22:26	1

Client Sample ID: SW-45 (3')

Lab Sample ID: 890-2455-17

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 16:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:32	06/24/22 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 16:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:32	06/24/22 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/24/22 09:32	06/24/22 16:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/24/22 09:32	06/24/22 16:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:13	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/24/22 07:38	06/24/22 14:13	1
o-Terphenyl	109		70 - 130				06/24/22 07:38	06/24/22 14:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-45 (3')

Lab Sample ID: 890-2455-17

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.99		mg/Kg			06/24/22 22:36	1

Client Sample ID: SW-46 (3')

Lab Sample ID: 890-2455-18

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 17:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 17:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 17:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/24/22 09:32	06/24/22 17:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 17:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/24/22 09:32	06/24/22 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/24/22 09:32	06/24/22 17:10	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/24/22 09:32	06/24/22 17:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:34	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/24/22 07:38	06/24/22 14:34	1
o-Terphenyl	104		70 - 130				06/24/22 07:38	06/24/22 14:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.00		mg/Kg			06/24/22 22:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-47 (3')

Lab Sample ID: 890-2455-19

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 15:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 15:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 15:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 09:34	06/24/22 15:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 15:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 09:34	06/24/22 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/24/22 09:34	06/24/22 15:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/22 09:34	06/24/22 15:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:55	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/24/22 07:38	06/24/22 14:55	1
o-Terphenyl	90		70 - 130	06/24/22 07:38	06/24/22 14:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.02		mg/Kg			06/24/22 22:54	1

Client Sample ID: SW-48 (1.5')

Lab Sample ID: 890-2455-20

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:34	06/24/22 14:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:34	06/24/22 14:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-48 (1.5')

Lab Sample ID: 890-2455-20

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 1.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/24/22 09:34	06/24/22 14:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/22 09:34	06/24/22 14:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 15:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 15:15	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/24/22 07:38	06/24/22 15:15	1
o-Terphenyl	93		70 - 130	06/24/22 07:38	06/24/22 15:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.04		mg/Kg			06/24/22 23:03	1

Client Sample ID: SW-55 (5.5')

Lab Sample ID: 890-2455-21

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:34	06/24/22 14:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 14:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:34	06/24/22 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/24/22 09:34	06/24/22 14:49	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/24/22 09:34	06/24/22 14:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-55 (5.5')

Lab Sample ID: 890-2455-21

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 15:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 15:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 15:57	1
Total TPH	<49.9	U	49.9		mg/Kg		06/24/22 07:38	06/24/22 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/24/22 07:38	06/24/22 15:57	1
o-Terphenyl	92		70 - 130	06/24/22 07:38	06/24/22 15:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.95		mg/Kg			06/24/22 20:52	1

Client Sample ID: SW-56 (5.5')

Lab Sample ID: 890-2455-22

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 15:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 15:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 15:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 09:34	06/24/22 15:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 09:34	06/24/22 15:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 09:34	06/24/22 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/24/22 09:34	06/24/22 15:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/22 09:34	06/24/22 15:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/22 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/24/22 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 16:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 16:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 16:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-56 (5.5')

Lab Sample ID: 890-2455-22

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Sample Depth: 5.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 16:18	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/24/22 07:38	06/24/22 16:18	1
o-Terphenyl	106		70 - 130				06/24/22 07:38	06/24/22 16:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		5.03		mg/Kg			06/24/22 21:47	1

Surrogate Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-16219-A-1-F MS	Matrix Spike	81	128
880-16269-A-1-A MS	Matrix Spike	108	95
880-16269-A-1-B MSD	Matrix Spike Duplicate	105	93
880-16270-A-1-A MS	Matrix Spike	102	104
880-16270-A-1-B MSD	Matrix Spike Duplicate	101	101
890-2455-1	CS-146 (3')	114	91
890-2455-2	CS-147 (3')	113	92
890-2455-3	CS-148 (3')	106	86
890-2455-4	CS-149 (3')	115	91
890-2455-5	CS-150 (3')	113	92
890-2455-6	CS-151 (3')	113	90
890-2455-7	CS-152 (3')	112	90
890-2455-8	CS-153 (3')	113	91
890-2455-9	CS-154 (3')	109	91
890-2455-10	CS-159 (4.5')	99	102
890-2455-11	CS-160 (4.5')	101	94
890-2455-12	CS-161 (4.5')	100	94
890-2455-13	CS-162 (4.5')	100	97
890-2455-14	CS-175 (5.5')	103	99
890-2455-15	CS-176 (5.5')	104	101
890-2455-16	CS-177 (5.5')	106	102
890-2455-17	SW-45 (3')	101	97
890-2455-18	SW-46 (3')	104	100
890-2455-19	SW-47 (3')	116	93
890-2455-20	SW-48 (1.5')	109	93
890-2455-21	SW-55 (5.5')	106	88
890-2455-22	SW-56 (5.5')	108	93
LCS 880-28309/1-A	Lab Control Sample	107	97
LCS 880-28310/1-A	Lab Control Sample	102	100
LCS 880-28311/1-A	Lab Control Sample	111	106
LCSD 880-28309/2-A	Lab Control Sample Dup	107	96
LCSD 880-28310/2-A	Lab Control Sample Dup	105	103
LCSD 880-28311/2-A	Lab Control Sample Dup	104	94
MB 880-28309/5-A	Method Blank	102	89
MB 880-28310/5-A	Method Blank	95	96
MB 880-28311/5-A	Method Blank	82	92
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-16269-A-1-E MS	Matrix Spike	102	94
880-16269-A-1-F MSD	Matrix Spike Duplicate	94	85
880-16273-A-1-C MS	Matrix Spike	99	100

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Surrogate Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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)
880-16273-A-1-D MSD	Matrix Spike Duplicate	105	105
890-2455-1	CS-146 (3')	95	105
890-2455-2	CS-147 (3')	94	104
890-2455-3	CS-148 (3')	95	107
890-2455-4	CS-149 (3')	103	113
890-2455-5	CS-150 (3')	92	99
890-2455-6	CS-151 (3')	94	102
890-2455-7	CS-152 (3')	93	104
890-2455-8	CS-153 (3')	92	102
890-2455-9	CS-154 (3')	89	99
890-2455-10	CS-159 (4.5')	91	100
890-2455-11	CS-160 (4.5')	90	98
890-2455-12	CS-161 (4.5')	90	92
890-2455-13	CS-162 (4.5')	101	103
890-2455-14	CS-175 (5.5')	90	90
890-2455-15	CS-176 (5.5')	91	93
890-2455-16	CS-177 (5.5')	104	105
890-2455-17	SW-45 (3')	109	109
890-2455-18	SW-46 (3')	103	104
890-2455-19	SW-47 (3')	88	90
890-2455-20	SW-48 (1.5')	90	93
890-2455-21	SW-55 (5.5')	89	92
890-2455-22	SW-56 (5.5')	104	106
LCS 880-28301/2-A	Lab Control Sample	101	100
LCS 880-28302/2-A	Lab Control Sample	91	104
LCSD 880-28301/3-A	Lab Control Sample Dup	98	102
LCSD 880-28302/3-A	Lab Control Sample Dup	100	117
MB 880-28301/1-A	Method Blank	99	104
MB 880-28302/1-A	Method Blank	107	122

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28309/5-A

Matrix: Solid

Analysis Batch: 28306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:29	06/24/22 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 09:29	06/24/22 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/24/22 09:29	06/24/22 11:41	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/24/22 09:29	06/24/22 11:41	1

Lab Sample ID: LCS 880-28309/1-A

Matrix: Solid

Analysis Batch: 28306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1030		mg/Kg		103	70 - 130
Toluene	0.100	0.1018		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-28309/2-A

Matrix: Solid

Analysis Batch: 28306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09436		mg/Kg		94	70 - 130	9	35
Toluene	0.100	0.09305		mg/Kg		93	70 - 130	9	35
Ethylbenzene	0.100	0.09657		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130	9	35
o-Xylene	0.100	0.09869		mg/Kg		99	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-16269-A-1-A MS

Matrix: Solid

Analysis Batch: 28306

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08752		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.0998	0.08823		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: 880-16269-A-1-A MS

Matrix: Solid

Analysis Batch: 28306

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28309

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09061		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1858		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09266		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-16269-A-1-B MSD

Matrix: Solid

Analysis Batch: 28306

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28309

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07954		mg/Kg		80	70 - 130	10	35
Toluene	<0.00200	U	0.0996	0.08725		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.09474		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1938		mg/Kg		97	70 - 130	4	35
o-Xylene	<0.00200	U	0.0996	0.09513		mg/Kg		95	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-28310/5-A

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 13:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 13:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 13:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 09:32	06/24/22 13:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:32	06/24/22 13:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 09:32	06/24/22 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/24/22 09:32	06/24/22 13:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/24/22 09:32	06/24/22 13:37	1

Lab Sample ID: LCS 880-28310/1-A

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1112		mg/Kg		111	70 - 130
Toluene	0.100	0.1141		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1185		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	0.200	0.2434		mg/Kg		122	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: LCS 880-28310/1-A

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1178		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-28310/2-A

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28310

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1122		mg/Kg		112	70 - 130	1	35
Toluene	0.100	0.1173		mg/Kg		117	70 - 130	3	35
Ethylbenzene	0.100	0.1132		mg/Kg		113	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130	5	35
o-Xylene	0.100	0.1306	*+	mg/Kg		131	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-16270-A-1-A MS

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1138		mg/Kg		112	70 - 130
Toluene	0.0362		0.100	0.1175		mg/Kg		81	70 - 130
Ethylbenzene	0.0254		0.100	0.1059		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.0340		0.200	0.2089		mg/Kg		87	70 - 130
o-Xylene	0.0528	F1	0.100	0.1182	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-16270-A-1-B MSD

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28310

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	0.1245		mg/Kg		124	70 - 130	9	35
Toluene	0.0362		0.0996	0.1236		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.0254		0.0996	0.1255		mg/Kg		100	70 - 130	17	35
m-Xylene & p-Xylene	0.0340		0.199	0.2515		mg/Kg		109	70 - 130	18	35
o-Xylene	0.0528	F1	0.0996	0.1192	F1	mg/Kg		67	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: 880-16270-A-1-B MSD

Matrix: Solid

Analysis Batch: 28308

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28310

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

Lab Sample ID: MB 880-28311/5-A

Matrix: Solid

Analysis Batch: 28305

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28311

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 11:52	1	
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 11:52	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 11:52	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 09:34	06/24/22 11:52	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 09:34	06/24/22 11:52	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 09:34	06/24/22 11:52	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				06/24/22 09:34	06/24/22 11:52	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				06/24/22 09:34	06/24/22 11:52	1	

Lab Sample ID: LCS 880-28311/1-A

Matrix: Solid

Analysis Batch: 28305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28311

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1152		mg/Kg		115	70 - 130			
Toluene	0.100	0.1130		mg/Kg		113	70 - 130			
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130			
m-Xylene & p-Xylene	0.200	0.2193		mg/Kg		110	70 - 130			
o-Xylene	0.100	0.1158		mg/Kg		116	70 - 130			

	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	111		70 - 130							
1,4-Difluorobenzene (Surr)	106		70 - 130							

Lab Sample ID: LCSD 880-28311/2-A

Matrix: Solid

Analysis Batch: 28305

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28311

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.0998	0.09032		mg/Kg		91	70 - 130	24	35
Toluene			0.0998	0.09467		mg/Kg		95	70 - 130	18	35
Ethylbenzene			0.0998	0.08803		mg/Kg		88	70 - 130	16	35
m-Xylene & p-Xylene			0.200	0.1774		mg/Kg		89	70 - 130	21	35
o-Xylene			0.0998	0.09369		mg/Kg		94	70 - 130	21	35
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: LCSD 880-28311/2-A

Matrix: Solid

Analysis Batch: 28305

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28311

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

Lab Sample ID: 880-16219-A-1-F MS

Matrix: Solid

Analysis Batch: 28305

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0994	0.1083		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.0994	0.07619		mg/Kg		77	70 - 130
Ethylbenzene	<0.00199	U	0.0994	0.09041		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.1737		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0994	0.09274		mg/Kg		93	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	81		70 - 130						
1,4-Difluorobenzene (Surr)	128		70 - 130						

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

Lab Sample ID: MB 880-28301/1-A

Matrix: Solid

Analysis Batch: 28297

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28301

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		06/24/22 07:38	06/24/22 10:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 10:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 10:24	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:38	06/24/22 10:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/24/22 07:38	06/24/22 10:24	1
o-Terphenyl	104		70 - 130				06/24/22 07:38	06/24/22 10:24	1

Lab Sample ID: LCS 880-28301/2-A

Matrix: Solid

Analysis Batch: 28297

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	904.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	915.2		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	100		70 - 130				

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: LCSD 880-28301/3-A

Matrix: Solid

Analysis Batch: 28297

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	917.1		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	920.7		mg/Kg		92	70 - 130	1	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 880-16269-A-1-E MS

Matrix: Solid

Analysis Batch: 28297

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28301

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	<49.9	U	998	945.9		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	815.4		mg/Kg		82	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: 880-16269-A-1-F MSD

Matrix: Solid

Analysis Batch: 28297

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28301

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	796.0		mg/Kg		78	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	761.3		mg/Kg		76	70 - 130	7	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: MB 880-28302/1-A

Matrix: Solid

Analysis Batch: 28293

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28302

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		06/24/22 07:40	06/24/22 09:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 09:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 09:46	1
Total TPH	<50.0	U	50.0		mg/Kg		06/24/22 07:40	06/24/22 09:46	1

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: MB 880-28302/1-A

Matrix: Solid

Analysis Batch: 28293

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28302

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	107		70 - 130	06/24/22 07:40	06/24/22 09:46	1				
o-Terphenyl	122		70 - 130	06/24/22 07:40	06/24/22 09:46	1				

Lab Sample ID: LCS 880-28302/2-A

Matrix: Solid

Analysis Batch: 28293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28302

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	782.3		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	925.7		mg/Kg		93	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	104		70 - 130								

Lab Sample ID: LCSD 880-28302/3-A

Matrix: Solid

Analysis Batch: 28293

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28302

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	815.9		mg/Kg		82	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)			1000	998.3		mg/Kg		100	70 - 130	8	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	100		70 - 130									
o-Terphenyl	117		70 - 130									

Lab Sample ID: 880-16273-A-1-C MS

Matrix: Solid

Analysis Batch: 28293

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28302

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1048		mg/Kg		101	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1002		mg/Kg		100	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	99		70 - 130									
o-Terphenyl	100		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Lab Sample ID: 880-16273-A-1-D MSD

Matrix: Solid

Analysis Batch: 28293

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1158		mg/Kg		112	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1067		mg/Kg		107	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	105		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28286/1-A

Matrix: Solid

Analysis Batch: 28353

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			06/24/22 15:40	1

Lab Sample ID: LCS 880-28286/2-A

Matrix: Solid

Analysis Batch: 28353

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.2		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-28286/3-A

Matrix: Solid

Analysis Batch: 28353

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	261.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-2455-1 MS

Matrix: Solid

Analysis Batch: 28353

Client Sample ID: CS-146 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	133		250	380.5		mg/Kg		99	90 - 110

Lab Sample ID: 890-2455-1 MSD

Matrix: Solid

Analysis Batch: 28353

Client Sample ID: CS-146 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	133		250	383.3		mg/Kg		100	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2455-11 MS

Matrix: Solid

Analysis Batch: 28353

Client Sample ID: CS-160 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140		250	388.2		mg/Kg		99	90 - 110

Lab Sample ID: 890-2455-11 MSD

Matrix: Solid

Analysis Batch: 28353

Client Sample ID: CS-160 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		250	388.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-28287/1-A

Matrix: Solid

Analysis Batch: 28355

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			06/24/22 20:28	1

Lab Sample ID: LCS 880-28287/2-A

Matrix: Solid

Analysis Batch: 28355

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	274.6		mg/Kg		110	90 - 110

Lab Sample ID: LCSD 880-28287/3-A

Matrix: Solid

Analysis Batch: 28355

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	274.8		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 890-2455-21 MS

Matrix: Solid

Analysis Batch: 28355

Client Sample ID: SW-55 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	117		248	384.3		mg/Kg		108	90 - 110

Lab Sample ID: 890-2455-21 MSD

Matrix: Solid

Analysis Batch: 28355

Client Sample ID: SW-55 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117		248	388.9		mg/Kg		110	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

GC VOA

Analysis Batch: 28305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-19	SW-47 (3')	Total/NA	Solid	8021B	28311
890-2455-20	SW-48 (1.5')	Total/NA	Solid	8021B	28311
890-2455-21	SW-55 (5.5')	Total/NA	Solid	8021B	28311
890-2455-22	SW-56 (5.5')	Total/NA	Solid	8021B	28311
MB 880-28311/5-A	Method Blank	Total/NA	Solid	8021B	28311
LCS 880-28311/1-A	Lab Control Sample	Total/NA	Solid	8021B	28311
LCSD 880-28311/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28311
880-16219-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	28311

Analysis Batch: 28306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Total/NA	Solid	8021B	28309
890-2455-2	CS-147 (3')	Total/NA	Solid	8021B	28309
890-2455-3	CS-148 (3')	Total/NA	Solid	8021B	28309
890-2455-4	CS-149 (3')	Total/NA	Solid	8021B	28309
890-2455-5	CS-150 (3')	Total/NA	Solid	8021B	28309
890-2455-6	CS-151 (3')	Total/NA	Solid	8021B	28309
890-2455-7	CS-152 (3')	Total/NA	Solid	8021B	28309
890-2455-8	CS-153 (3')	Total/NA	Solid	8021B	28309
890-2455-9	CS-154 (3')	Total/NA	Solid	8021B	28309
MB 880-28309/5-A	Method Blank	Total/NA	Solid	8021B	28309
LCS 880-28309/1-A	Lab Control Sample	Total/NA	Solid	8021B	28309
LCSD 880-28309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28309
880-16269-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	28309
880-16269-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28309

Analysis Batch: 28308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-10	CS-159 (4.5')	Total/NA	Solid	8021B	28310
890-2455-11	CS-160 (4.5')	Total/NA	Solid	8021B	28310
890-2455-12	CS-161 (4.5')	Total/NA	Solid	8021B	28310
890-2455-13	CS-162 (4.5')	Total/NA	Solid	8021B	28310
890-2455-14	CS-175 (5.5')	Total/NA	Solid	8021B	28310
890-2455-15	CS-176 (5.5')	Total/NA	Solid	8021B	28310
890-2455-16	CS-177 (5.5')	Total/NA	Solid	8021B	28310
890-2455-17	SW-45 (3')	Total/NA	Solid	8021B	28310
890-2455-18	SW-46 (3')	Total/NA	Solid	8021B	28310
MB 880-28310/5-A	Method Blank	Total/NA	Solid	8021B	28310
LCS 880-28310/1-A	Lab Control Sample	Total/NA	Solid	8021B	28310
LCSD 880-28310/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28310
880-16270-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	28310
880-16270-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28310

Prep Batch: 28309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Total/NA	Solid	5035	
890-2455-2	CS-147 (3')	Total/NA	Solid	5035	
890-2455-3	CS-148 (3')	Total/NA	Solid	5035	
890-2455-4	CS-149 (3')	Total/NA	Solid	5035	
890-2455-5	CS-150 (3')	Total/NA	Solid	5035	
890-2455-6	CS-151 (3')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

GC VOA (Continued)

Prep Batch: 28309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-7	CS-152 (3')	Total/NA	Solid	5035	
890-2455-8	CS-153 (3')	Total/NA	Solid	5035	
890-2455-9	CS-154 (3')	Total/NA	Solid	5035	
MB 880-28309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16269-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-16269-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 28310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-10	CS-159 (4.5')	Total/NA	Solid	5035	
890-2455-11	CS-160 (4.5')	Total/NA	Solid	5035	
890-2455-12	CS-161 (4.5')	Total/NA	Solid	5035	
890-2455-13	CS-162 (4.5')	Total/NA	Solid	5035	
890-2455-14	CS-175 (5.5')	Total/NA	Solid	5035	
890-2455-15	CS-176 (5.5')	Total/NA	Solid	5035	
890-2455-16	CS-177 (5.5')	Total/NA	Solid	5035	
890-2455-17	SW-45 (3')	Total/NA	Solid	5035	
890-2455-18	SW-46 (3')	Total/NA	Solid	5035	
MB 880-28310/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28310/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28310/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16270-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-16270-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 28311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-19	SW-47 (3')	Total/NA	Solid	5035	
890-2455-20	SW-48 (1.5')	Total/NA	Solid	5035	
890-2455-21	SW-55 (5.5')	Total/NA	Solid	5035	
890-2455-22	SW-56 (5.5')	Total/NA	Solid	5035	
MB 880-28311/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28311/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28311/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16219-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 28357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Total/NA	Solid	Total BTEX	
890-2455-2	CS-147 (3')	Total/NA	Solid	Total BTEX	
890-2455-3	CS-148 (3')	Total/NA	Solid	Total BTEX	
890-2455-4	CS-149 (3')	Total/NA	Solid	Total BTEX	
890-2455-5	CS-150 (3')	Total/NA	Solid	Total BTEX	
890-2455-6	CS-151 (3')	Total/NA	Solid	Total BTEX	
890-2455-7	CS-152 (3')	Total/NA	Solid	Total BTEX	
890-2455-8	CS-153 (3')	Total/NA	Solid	Total BTEX	
890-2455-9	CS-154 (3')	Total/NA	Solid	Total BTEX	
890-2455-10	CS-159 (4.5')	Total/NA	Solid	Total BTEX	
890-2455-11	CS-160 (4.5')	Total/NA	Solid	Total BTEX	
890-2455-12	CS-161 (4.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

GC VOA (Continued)

Analysis Batch: 28357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-13	CS-162 (4.5')	Total/NA	Solid	Total BTEX	
890-2455-14	CS-175 (5.5')	Total/NA	Solid	Total BTEX	
890-2455-15	CS-176 (5.5')	Total/NA	Solid	Total BTEX	
890-2455-16	CS-177 (5.5')	Total/NA	Solid	Total BTEX	
890-2455-17	SW-45 (3')	Total/NA	Solid	Total BTEX	
890-2455-18	SW-46 (3')	Total/NA	Solid	Total BTEX	
890-2455-19	SW-47 (3')	Total/NA	Solid	Total BTEX	
890-2455-20	SW-48 (1.5')	Total/NA	Solid	Total BTEX	
890-2455-21	SW-55 (5.5')	Total/NA	Solid	Total BTEX	
890-2455-22	SW-56 (5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 28293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Total/NA	Solid	8015B NM	28302
890-2455-2	CS-147 (3')	Total/NA	Solid	8015B NM	28302
890-2455-3	CS-148 (3')	Total/NA	Solid	8015B NM	28302
890-2455-4	CS-149 (3')	Total/NA	Solid	8015B NM	28302
890-2455-5	CS-150 (3')	Total/NA	Solid	8015B NM	28302
890-2455-6	CS-151 (3')	Total/NA	Solid	8015B NM	28302
890-2455-7	CS-152 (3')	Total/NA	Solid	8015B NM	28302
890-2455-8	CS-153 (3')	Total/NA	Solid	8015B NM	28302
890-2455-9	CS-154 (3')	Total/NA	Solid	8015B NM	28302
890-2455-10	CS-159 (4.5')	Total/NA	Solid	8015B NM	28302
890-2455-11	CS-160 (4.5')	Total/NA	Solid	8015B NM	28302
MB 880-28302/1-A	Method Blank	Total/NA	Solid	8015B NM	28302
LCS 880-28302/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28302
LCSD 880-28302/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28302
880-16273-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	28302
880-16273-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28302

Analysis Batch: 28297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-12	CS-161 (4.5')	Total/NA	Solid	8015B NM	28301
890-2455-13	CS-162 (4.5')	Total/NA	Solid	8015B NM	28301
890-2455-14	CS-175 (5.5')	Total/NA	Solid	8015B NM	28301
890-2455-15	CS-176 (5.5')	Total/NA	Solid	8015B NM	28301
890-2455-16	CS-177 (5.5')	Total/NA	Solid	8015B NM	28301
890-2455-17	SW-45 (3')	Total/NA	Solid	8015B NM	28301
890-2455-18	SW-46 (3')	Total/NA	Solid	8015B NM	28301
890-2455-19	SW-47 (3')	Total/NA	Solid	8015B NM	28301
890-2455-20	SW-48 (1.5')	Total/NA	Solid	8015B NM	28301
890-2455-21	SW-55 (5.5')	Total/NA	Solid	8015B NM	28301
890-2455-22	SW-56 (5.5')	Total/NA	Solid	8015B NM	28301
MB 880-28301/1-A	Method Blank	Total/NA	Solid	8015B NM	28301
LCS 880-28301/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28301
LCSD 880-28301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28301
880-16269-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	28301
880-16269-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28301

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QC Association Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

GC Semi VOA

Prep Batch: 28301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-12	CS-161 (4.5')	Total/NA	Solid	8015NM Prep	
890-2455-13	CS-162 (4.5')	Total/NA	Solid	8015NM Prep	
890-2455-14	CS-175 (5.5')	Total/NA	Solid	8015NM Prep	
890-2455-15	CS-176 (5.5')	Total/NA	Solid	8015NM Prep	
890-2455-16	CS-177 (5.5')	Total/NA	Solid	8015NM Prep	
890-2455-17	SW-45 (3')	Total/NA	Solid	8015NM Prep	
890-2455-18	SW-46 (3')	Total/NA	Solid	8015NM Prep	
890-2455-19	SW-47 (3')	Total/NA	Solid	8015NM Prep	
890-2455-20	SW-48 (1.5')	Total/NA	Solid	8015NM Prep	
890-2455-21	SW-55 (5.5')	Total/NA	Solid	8015NM Prep	
890-2455-22	SW-56 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-28301/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28301/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16269-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16269-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 28302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Total/NA	Solid	8015NM Prep	
890-2455-2	CS-147 (3')	Total/NA	Solid	8015NM Prep	
890-2455-3	CS-148 (3')	Total/NA	Solid	8015NM Prep	
890-2455-4	CS-149 (3')	Total/NA	Solid	8015NM Prep	
890-2455-5	CS-150 (3')	Total/NA	Solid	8015NM Prep	
890-2455-6	CS-151 (3')	Total/NA	Solid	8015NM Prep	
890-2455-7	CS-152 (3')	Total/NA	Solid	8015NM Prep	
890-2455-8	CS-153 (3')	Total/NA	Solid	8015NM Prep	
890-2455-9	CS-154 (3')	Total/NA	Solid	8015NM Prep	
890-2455-10	CS-159 (4.5')	Total/NA	Solid	8015NM Prep	
890-2455-11	CS-160 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-28302/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28302/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28302/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16273-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16273-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Total/NA	Solid	8015 NM	
890-2455-2	CS-147 (3')	Total/NA	Solid	8015 NM	
890-2455-3	CS-148 (3')	Total/NA	Solid	8015 NM	
890-2455-4	CS-149 (3')	Total/NA	Solid	8015 NM	
890-2455-5	CS-150 (3')	Total/NA	Solid	8015 NM	
890-2455-6	CS-151 (3')	Total/NA	Solid	8015 NM	
890-2455-7	CS-152 (3')	Total/NA	Solid	8015 NM	
890-2455-8	CS-153 (3')	Total/NA	Solid	8015 NM	
890-2455-9	CS-154 (3')	Total/NA	Solid	8015 NM	
890-2455-10	CS-159 (4.5')	Total/NA	Solid	8015 NM	
890-2455-11	CS-160 (4.5')	Total/NA	Solid	8015 NM	
890-2455-12	CS-161 (4.5')	Total/NA	Solid	8015 NM	
890-2455-13	CS-162 (4.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 28373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-14	CS-175 (5.5')	Total/NA	Solid	8015 NM	
890-2455-15	CS-176 (5.5')	Total/NA	Solid	8015 NM	
890-2455-16	CS-177 (5.5')	Total/NA	Solid	8015 NM	
890-2455-17	SW-45 (3')	Total/NA	Solid	8015 NM	
890-2455-18	SW-46 (3')	Total/NA	Solid	8015 NM	
890-2455-19	SW-47 (3')	Total/NA	Solid	8015 NM	
890-2455-20	SW-48 (1.5')	Total/NA	Solid	8015 NM	
890-2455-21	SW-55 (5.5')	Total/NA	Solid	8015 NM	
890-2455-22	SW-56 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Soluble	Solid	DI Leach	
890-2455-2	CS-147 (3')	Soluble	Solid	DI Leach	
890-2455-3	CS-148 (3')	Soluble	Solid	DI Leach	
890-2455-4	CS-149 (3')	Soluble	Solid	DI Leach	
890-2455-5	CS-150 (3')	Soluble	Solid	DI Leach	
890-2455-6	CS-151 (3')	Soluble	Solid	DI Leach	
890-2455-7	CS-152 (3')	Soluble	Solid	DI Leach	
890-2455-8	CS-153 (3')	Soluble	Solid	DI Leach	
890-2455-9	CS-154 (3')	Soluble	Solid	DI Leach	
890-2455-10	CS-159 (4.5')	Soluble	Solid	DI Leach	
890-2455-11	CS-160 (4.5')	Soluble	Solid	DI Leach	
890-2455-12	CS-161 (4.5')	Soluble	Solid	DI Leach	
890-2455-13	CS-162 (4.5')	Soluble	Solid	DI Leach	
890-2455-14	CS-175 (5.5')	Soluble	Solid	DI Leach	
890-2455-15	CS-176 (5.5')	Soluble	Solid	DI Leach	
890-2455-16	CS-177 (5.5')	Soluble	Solid	DI Leach	
890-2455-17	SW-45 (3')	Soluble	Solid	DI Leach	
890-2455-18	SW-46 (3')	Soluble	Solid	DI Leach	
890-2455-19	SW-47 (3')	Soluble	Solid	DI Leach	
890-2455-20	SW-48 (1.5')	Soluble	Solid	DI Leach	
MB 880-28286/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28286/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28286/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2455-1 MS	CS-146 (3')	Soluble	Solid	DI Leach	
890-2455-1 MSD	CS-146 (3')	Soluble	Solid	DI Leach	
890-2455-11 MS	CS-160 (4.5')	Soluble	Solid	DI Leach	
890-2455-11 MSD	CS-160 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 28287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-21	SW-55 (5.5')	Soluble	Solid	DI Leach	
890-2455-22	SW-56 (5.5')	Soluble	Solid	DI Leach	
MB 880-28287/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28287/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28287/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2455-21 MS	SW-55 (5.5')	Soluble	Solid	DI Leach	
890-2455-21 MSD	SW-55 (5.5')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

HPLC/IC

Analysis Batch: 28353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-1	CS-146 (3')	Soluble	Solid	300.0	28286
890-2455-2	CS-147 (3')	Soluble	Solid	300.0	28286
890-2455-3	CS-148 (3')	Soluble	Solid	300.0	28286
890-2455-4	CS-149 (3')	Soluble	Solid	300.0	28286
890-2455-5	CS-150 (3')	Soluble	Solid	300.0	28286
890-2455-6	CS-151 (3')	Soluble	Solid	300.0	28286
890-2455-7	CS-152 (3')	Soluble	Solid	300.0	28286
890-2455-8	CS-153 (3')	Soluble	Solid	300.0	28286
890-2455-9	CS-154 (3')	Soluble	Solid	300.0	28286
890-2455-10	CS-159 (4.5')	Soluble	Solid	300.0	28286
890-2455-11	CS-160 (4.5')	Soluble	Solid	300.0	28286
890-2455-12	CS-161 (4.5')	Soluble	Solid	300.0	28286
890-2455-13	CS-162 (4.5')	Soluble	Solid	300.0	28286
890-2455-14	CS-175 (5.5')	Soluble	Solid	300.0	28286
890-2455-15	CS-176 (5.5')	Soluble	Solid	300.0	28286
890-2455-16	CS-177 (5.5')	Soluble	Solid	300.0	28286
890-2455-17	SW-45 (3')	Soluble	Solid	300.0	28286
890-2455-18	SW-46 (3')	Soluble	Solid	300.0	28286
890-2455-19	SW-47 (3')	Soluble	Solid	300.0	28286
890-2455-20	SW-48 (1.5')	Soluble	Solid	300.0	28286
MB 880-28286/1-A	Method Blank	Soluble	Solid	300.0	28286
LCS 880-28286/2-A	Lab Control Sample	Soluble	Solid	300.0	28286
LCSD 880-28286/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28286
890-2455-1 MS	CS-146 (3')	Soluble	Solid	300.0	28286
890-2455-1 MSD	CS-146 (3')	Soluble	Solid	300.0	28286
890-2455-11 MS	CS-160 (4.5')	Soluble	Solid	300.0	28286
890-2455-11 MSD	CS-160 (4.5')	Soluble	Solid	300.0	28286

Analysis Batch: 28355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2455-21	SW-55 (5.5')	Soluble	Solid	300.0	28287
890-2455-22	SW-56 (5.5')	Soluble	Solid	300.0	28287
MB 880-28287/1-A	Method Blank	Soluble	Solid	300.0	28287
LCS 880-28287/2-A	Lab Control Sample	Soluble	Solid	300.0	28287
LCSD 880-28287/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28287
890-2455-21 MS	SW-55 (5.5')	Soluble	Solid	300.0	28287
890-2455-21 MSD	SW-55 (5.5')	Soluble	Solid	300.0	28287

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Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-146 (3')

Lab Sample ID: 890-2455-1

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 12:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 11:56	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 16:07	SC	XEN MID

Client Sample ID: CS-147 (3')

Lab Sample ID: 890-2455-2

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 12:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 12:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 17:49	SC	XEN MID

Client Sample ID: CS-148 (3')

Lab Sample ID: 890-2455-3

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 13:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 12:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 17:58	SC	XEN MID

Client Sample ID: CS-149 (3')

Lab Sample ID: 890-2455-4

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 13:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-149 (3')

Lab Sample ID: 890-2455-4

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 13:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 18:07	SC	XEN MID

Client Sample ID: CS-150 (3')

Lab Sample ID: 890-2455-5

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 13:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 13:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 18:17	SC	XEN MID

Client Sample ID: CS-151 (3')

Lab Sample ID: 890-2455-6

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 14:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 13:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 20:17	SC	XEN MID

Client Sample ID: CS-152 (3')

Lab Sample ID: 890-2455-7

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 14:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 14:06	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-152 (3')

Lab Sample ID: 890-2455-7

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 20:26	SC	XEN MID

Client Sample ID: CS-153 (3')

Lab Sample ID: 890-2455-8

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 14:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28286	06/23/22 18:20	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 20:35	SC	XEN MID

Client Sample ID: CS-154 (3')

Lab Sample ID: 890-2455-9

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28309	06/24/22 09:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28306	06/24/22 15:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 14:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 20:45	SC	XEN MID

Client Sample ID: CS-159 (4.5')

Lab Sample ID: 890-2455-10

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 14:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 15:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 20:54	SC	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-160 (4.5')

Lab Sample ID: 890-2455-11

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 14:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28302	06/24/22 07:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28293	06/24/22 15:54	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 21:03	SC	XEN MID

Client Sample ID: CS-161 (4.5')

Lab Sample ID: 890-2455-12

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 15:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 12:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 21:31	SC	XEN MID

Client Sample ID: CS-162 (4.5')

Lab Sample ID: 890-2455-13

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 15:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 12:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 21:40	SC	XEN MID

Client Sample ID: CS-175 (5.5')

Lab Sample ID: 890-2455-14

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 15:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: CS-175 (5.5')

Lab Sample ID: 890-2455-14

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 13:11	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 22:08	SC	XEN MID

Client Sample ID: CS-176 (5.5')

Lab Sample ID: 890-2455-15

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 16:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 13:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 22:17	SC	XEN MID

Client Sample ID: CS-177 (5.5')

Lab Sample ID: 890-2455-16

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 16:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 13:52	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 22:26	SC	XEN MID

Client Sample ID: SW-45 (3')

Lab Sample ID: 890-2455-17

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 16:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 14:13	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-45 (3')

Lab Sample ID: 890-2455-17

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 22:36	SC	XEN MID

Client Sample ID: SW-46 (3')

Lab Sample ID: 890-2455-18

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28310	06/24/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28308	06/24/22 17:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 14:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 22:45	SC	XEN MID

Client Sample ID: SW-47 (3')

Lab Sample ID: 890-2455-19

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28311	06/24/22 09:34	MR	XEN MID
Total/NA	Analysis	8021B		1			28305	06/24/22 15:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 22:54	SC	XEN MID

Client Sample ID: SW-48 (1.5')

Lab Sample ID: 890-2455-20

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28311	06/24/22 09:34	MR	XEN MID
Total/NA	Analysis	8021B		1			28305	06/24/22 14:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 15:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28286	06/23/22 18:21	SC	XEN MID
Soluble	Analysis	300.0		1			28353	06/24/22 23:03	SC	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Client Sample ID: SW-55 (5.5')

Lab Sample ID: 890-2455-21

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28311	06/24/22 09:34	MR	XEN MID
Total/NA	Analysis	8021B		1			28305	06/24/22 14:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 15:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28287	06/24/22 12:20	SC	XEN MID
Soluble	Analysis	300.0		1			28355	06/24/22 20:52	SC	XEN MID

Client Sample ID: SW-56 (5.5')

Lab Sample ID: 890-2455-22

Date Collected: 06/23/22 00:00

Matrix: Solid

Date Received: 06/23/22 12:40

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	28311	06/24/22 09:34	MR	XEN MID
Total/NA	Analysis	8021B		1			28305	06/24/22 15:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28357	06/24/22 14:31	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28373	06/24/22 18:56	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28301	06/24/22 07:38	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28297	06/24/22 16:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28287	06/24/22 12:20	SC	XEN MID
Soluble	Analysis	300.0		1			28355	06/24/22 21:47	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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	T104704400-21-22	06-30-22

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)
8015B NM	8015NM Prep	Solid	Total TPH
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: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: COSMO BOOSTER

Job ID: 890-2455-1
SDG: 1028

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2455-1	CS-146 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-2	CS-147 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-3	CS-148 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-4	CS-149 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-5	CS-150 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-6	CS-151 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-7	CS-152 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-8	CS-153 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-9	CS-154 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-10	CS-159 (4.5')	Solid	06/23/22 00:00	06/23/22 12:40	4.5
890-2455-11	CS-160 (4.5')	Solid	06/23/22 00:00	06/23/22 12:40	4.5
890-2455-12	CS-161 (4.5')	Solid	06/23/22 00:00	06/23/22 12:40	4.5
890-2455-13	CS-162 (4.5')	Solid	06/23/22 00:00	06/23/22 12:40	4.5
890-2455-14	CS-175 (5.5')	Solid	06/23/22 00:00	06/23/22 12:40	5.5
890-2455-15	CS-176 (5.5')	Solid	06/23/22 00:00	06/23/22 12:40	5.5
890-2455-16	CS-177 (5.5')	Solid	06/23/22 00:00	06/23/22 12:40	5.5
890-2455-17	SW-45 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-18	SW-46 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-19	SW-47 (3')	Solid	06/23/22 00:00	06/23/22 12:40	3
890-2455-20	SW-48 (1.5')	Solid	06/23/22 00:00	06/23/22 12:40	1.5
890-2455-21	SW-55 (5.5')	Solid	06/23/22 00:00	06/23/22 12:40	5.5
890-2455-22	SW-56 (5.5')	Solid	06/23/22 00:00	06/23/22 12:40	5.5

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Chain of Custody

Work Order No: _____

Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmora Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nnglep.com

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

Project Name:	Cosmo Booster	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	1028	Due Date:	24 Hrs															None: NO	DI Water: H ₂ O	
Project Location:	Lea Co. NM																	Cool: Cool	MeOH: Me	
Sampler's Name:	CRM																	HCL: HC	HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes No	Thermometer ID:	Yes No	Well Ice:	Yes No													H ₃ PO ₄ : HP	
Received Intact:	Yes No																		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													Sample Comments	
CS-146 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-147 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-148 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-149 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-150 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-151 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-152 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-153 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-154 (3)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-159 (4.5)	6/23/2022		X		C	1	X	X	X	X	X	X	X	X	X	X				



890-2455 Chain of Custody

HOLD

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<i>Conner Moehring</i>		6/23/22	<i>Joe Vargo</i>		6-23-22 1240

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Chain of Custody

Work Order No: _____

Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@naglep.com

Work Order Comments	
Program: UST/PT ☐ PRP ☐ Rowfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Cosmo Booster		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	1028		☐ Routine	☒ Rush															None: NO	DI Water: H ₂ O		
Project Location	Lea Co, NM		Due Date:	24 Hrs															Cool: Cool	MeOH: Me		
Sampler's Name:	CRM		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/Dry:	Yes No													HOLD			
Received In tact:	Yes No	Thermometer ID:	Yes No	Correction Factor:													H ₃ PO ₄ : HP					
Cooler Custody Seals:	Yes No N/A	Temperature Reading:													NaHSO ₄ : NABIS							
Sample Custody Seals:	Yes No N/A	Corrected Temperature:													Na ₂ S ₂ O ₃ : NaSO ₃							
Total Containers:															Zn Acetate+NaOH: Zn							
															NaOH+Ascorbic Acid: SAPC							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
CS-160 (4.5')	6/23/2022		X		C	1	X	X	X													
CS-161 (4.5')	6/23/2022		X		C	1	X	X	X													
CS-162 (4.5')	6/23/2022		X		C	1	X	X	X													
CS-175 (5.5')	6/23/2022		X		C	1	X	X	X													
CS-176 (5.5')	6/23/2022		X		C	1	X	X	X													
CS-177 (5.5')	6/23/2022		X		C	1	X	X	X													
SW-45 (3')	6/23/2022		X		C	1	X	X	X													
SW-46 (3')	6/23/2022		X		C	1	X	X	X													
SW-47 (3')	6/23/2022		X		C	1	X	X	X													
SW-48 (1.5')	6/23/2022		X		C	1	X	X	X													

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<i>Conner Moehring</i>		6/23/22	<i>Joe Vargo</i>		6-23-22

Chain of Custody

Work Order No: _____

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	Joseph.vargo@nagle.com

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

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2455-1

SDG Number: 1028

Login Number: 2455

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2455-1

SDG Number: 1028

Login Number: 2455

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 06/24/22 10:54 AM

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2490-1
Laboratory Sample Delivery Group: 1028
Client Project/Site: Cosmo Booster

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

Attn: Conner Moehring

Authorized for release by:
7/7/2022 12:38:14 PM

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

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

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

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 890-2490-1
SDG: 1028

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	33
QC Sample Results	35
QC Association Summary	43
Lab Chronicle	51
Certification Summary	62
Method Summary	63
Sample Summary	64
Chain of Custody	65
Receipt Checklists	73

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Job ID: 890-2490-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-2490-1**

Receipt

The samples were received on 7/1/2022 7:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29023 and analytical batch 880-28982 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: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-28999 and analytical batch 880-28986 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-29058 and analytical batch 880-29100 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28994 and analytical batch 880-29061 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.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28992 and analytical batch 880-29137 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-1 4.5

Lab Sample ID: 890-2490-1

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/05/22 09:54	07/05/22 11:45	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/05/22 09:54	07/05/22 11:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		07/05/22 09:21	07/05/22 12:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 12:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/05/22 09:21	07/05/22 12:07	1
o-Terphenyl	89		70 - 130	07/05/22 09:21	07/05/22 12:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159	F1	5.00		mg/Kg			07/06/22 17:31	1

Client Sample ID: CS-2 4.5

Lab Sample ID: 890-2490-2

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 12:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 12:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 12:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 09:54	07/05/22 12:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 12:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 09:54	07/05/22 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/05/22 09:54	07/05/22 12:05	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-2 4.5

Lab Sample ID: 890-2490-2

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	07/05/22 09:54	07/05/22 12:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 13:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 13:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/05/22 09:21	07/05/22 13:13	1
o-Terphenyl	93		70 - 130				07/05/22 09:21	07/05/22 13:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.95		mg/Kg			07/06/22 17:54	1

Client Sample ID: CS-3 4.5

Lab Sample ID: 890-2490-3

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 12:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 12:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 12:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/05/22 09:54	07/05/22 12:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 12:26	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/05/22 09:54	07/05/22 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/05/22 09:54	07/05/22 12:26	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/05/22 09:54	07/05/22 12:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-3 4.5

Lab Sample ID: 890-2490-3

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 13:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 13:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/05/22 09:21	07/05/22 13:34	1
o-Terphenyl	86		70 - 130				07/05/22 09:21	07/05/22 13:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		4.96		mg/Kg			07/06/22 18:02	1

Client Sample ID: CS-4 4.5

Lab Sample ID: 890-2490-4

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 12:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 12:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 12:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 12:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 12:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/05/22 09:54	07/05/22 12:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/05/22 09:54	07/05/22 12:47	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 13:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 13:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/05/22 09:21	07/05/22 13:57	1
o-Terphenyl	91		70 - 130				07/05/22 09:21	07/05/22 13:57	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-4 4.5

Lab Sample ID: 890-2490-4

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		5.05		mg/Kg			07/06/22 18:10	1

Client Sample ID: CS-5 4.5

Lab Sample ID: 890-2490-5

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 13:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 13:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 13:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 09:54	07/05/22 13:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 13:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 09:54	07/05/22 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/05/22 09:54	07/05/22 13:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/05/22 09:54	07/05/22 13:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 14:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 14:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/05/22 09:21	07/05/22 14:20	1
o-Terphenyl	79		70 - 130				07/05/22 09:21	07/05/22 14:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.5		4.98		mg/Kg			07/06/22 18:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-6 4.5

Lab Sample ID: 890-2490-6

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 13:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 13:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 13:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/05/22 09:54	07/05/22 13:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 13:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/05/22 09:54	07/05/22 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/05/22 09:54	07/05/22 13:28	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/05/22 09:54	07/05/22 13:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/05/22 09:21	07/05/22 14:42	1
o-Terphenyl	97		70 - 130	07/05/22 09:21	07/05/22 14:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.7		5.01		mg/Kg			07/06/22 19:12	1

Client Sample ID: CS-7 4.5

Lab Sample ID: 890-2490-7

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 13:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 13:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 13:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 13:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 13:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/05/22 09:54	07/05/22 13:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-7 4.5

Lab Sample ID: 890-2490-7

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 09:54	07/05/22 13:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 15:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 15:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/05/22 09:21	07/05/22 15:04	1
o-Terphenyl	99		70 - 130				07/05/22 09:21	07/05/22 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.99		mg/Kg			07/06/22 19:20	1

Client Sample ID: CS-63 3

Lab Sample ID: 890-2490-8

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 14:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 09:54	07/05/22 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 14:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 09:54	07/05/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/05/22 09:54	07/05/22 14:09	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/05/22 09:54	07/05/22 14:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-63 3

Lab Sample ID: 890-2490-8

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 15:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 15:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/05/22 09:21	07/05/22 15:26	1
o-Terphenyl	88		70 - 130				07/05/22 09:21	07/05/22 15:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.1		4.95		mg/Kg			07/06/22 19:28	1

Client Sample ID: CS-64 3

Lab Sample ID: 890-2490-9

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 14:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 14:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 14:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 09:54	07/05/22 14:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 09:54	07/05/22 14:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 09:54	07/05/22 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/05/22 09:54	07/05/22 14:29	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/05/22 09:54	07/05/22 14:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 15:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				07/05/22 09:21	07/05/22 15:47	1
o-Terphenyl	89		70 - 130				07/05/22 09:21	07/05/22 15:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-64 3

Lab Sample ID: 890-2490-9

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.3		4.97		mg/Kg			07/06/22 19:36	1

Client Sample ID: CS-65 3

Lab Sample ID: 890-2490-10

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 14:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 14:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 14:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/05/22 09:54	07/05/22 14:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 14:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/05/22 09:54	07/05/22 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/05/22 09:54	07/05/22 14:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/05/22 09:54	07/05/22 14:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 16:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 16:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/05/22 09:21	07/05/22 16:08	1
o-Terphenyl	94		70 - 130				07/05/22 09:21	07/05/22 16:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.9		5.00		mg/Kg			07/06/22 19:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-66 3

Lab Sample ID: 890-2490-11

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 16:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 16:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 16:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 09:54	07/05/22 16:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 16:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 09:54	07/05/22 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/05/22 09:54	07/05/22 16:12	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/05/22 09:54	07/05/22 16:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/05/22 09:21	07/05/22 17:16	1
o-Terphenyl	93		70 - 130	07/05/22 09:21	07/05/22 17:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.5		4.96		mg/Kg			07/06/22 19:52	1

Client Sample ID: CS-67 3

Lab Sample ID: 890-2490-12

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 16:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/05/22 09:54	07/05/22 16:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-67 3

Lab Sample ID: 890-2490-12

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	07/05/22 09:54	07/05/22 16:33	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/05/22 09:21	07/05/22 17:37	1
o-Terphenyl	90		70 - 130				07/05/22 09:21	07/05/22 17:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.6		4.98		mg/Kg			07/06/22 20:15	1

Client Sample ID: CS-68 3

Lab Sample ID: 890-2490-13

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 16:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 16:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/05/22 09:54	07/05/22 16:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/05/22 09:54	07/05/22 16:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-68 3

Lab Sample ID: 890-2490-13

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/05/22 09:21	07/05/22 17:59	1
o-Terphenyl	102		70 - 130				07/05/22 09:21	07/05/22 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.2		4.99		mg/Kg			07/06/22 20:23	1

Client Sample ID: CS-69 3

Lab Sample ID: 890-2490-14

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 17:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 17:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 17:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 09:54	07/05/22 17:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 09:54	07/05/22 17:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 09:54	07/05/22 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/05/22 09:54	07/05/22 17:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/05/22 09:54	07/05/22 17:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 18:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 18:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/05/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/05/22 09:21	07/05/22 18:21	1
o-Terphenyl	90		70 - 130				07/05/22 09:21	07/05/22 18:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-69 3

Lab Sample ID: 890-2490-14

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.1		5.00		mg/Kg			07/06/22 20:47	1

Client Sample ID: CS-70 3

Lab Sample ID: 890-2490-15

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 17:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 17:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 17:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 09:54	07/05/22 17:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 17:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 09:54	07/05/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/05/22 09:54	07/05/22 17:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/05/22 09:54	07/05/22 17:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 18:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 18:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/05/22 09:21	07/05/22 18:43	1
o-Terphenyl	94		70 - 130				07/05/22 09:21	07/05/22 18:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.8		5.00		mg/Kg			07/06/22 20:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-71 3

Lab Sample ID: 890-2490-16

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 17:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 17:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 17:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 09:54	07/05/22 17:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 09:54	07/05/22 17:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 09:54	07/05/22 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/05/22 09:54	07/05/22 17:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/05/22 09:54	07/05/22 17:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 19:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 19:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/05/22 09:21	07/05/22 19:05	1
o-Terphenyl	93		70 - 130	07/05/22 09:21	07/05/22 19:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.1		4.97		mg/Kg			07/06/22 21:02	1

Client Sample ID: CS-72 3

Lab Sample ID: 890-2490-17

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 09:54	07/05/22 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 09:54	07/05/22 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/05/22 09:54	07/05/22 18:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-72 3

Lab Sample ID: 890-2490-17

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	07/05/22 09:54	07/05/22 18:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/05/22 09:21	07/05/22 19:26	1
o-Terphenyl	99		70 - 130				07/05/22 09:21	07/05/22 19:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.8		5.04		mg/Kg			07/06/22 21:10	1

Client Sample ID: CS-73 3

Lab Sample ID: 890-2490-18

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 18:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 18:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/05/22 09:54	07/05/22 18:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 09:54	07/05/22 18:36	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-73 3

Lab Sample ID: 890-2490-18

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 19:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 19:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 09:21	07/05/22 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/05/22 09:21	07/05/22 19:47	1
o-Terphenyl	101		70 - 130				07/05/22 09:21	07/05/22 19:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.2		5.01		mg/Kg			07/06/22 21:18	1

Client Sample ID: CS-74 3

Lab Sample ID: 890-2490-19

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 18:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/05/22 09:54	07/05/22 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 09:54	07/05/22 18:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/05/22 09:54	07/05/22 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/05/22 09:54	07/05/22 18:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/05/22 09:54	07/05/22 18:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	146		50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/06/22 06:40	1
Diesel Range Organics (Over C10-C28)	81.1		50.0		mg/Kg		07/05/22 09:21	07/06/22 06:40	1
Oil Range Organics (Over C28-C36)	65.0		50.0		mg/Kg		07/05/22 09:21	07/06/22 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/05/22 09:21	07/06/22 06:40	1
o-Terphenyl	92		70 - 130				07/05/22 09:21	07/06/22 06:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-74 3

Lab Sample ID: 890-2490-19

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.3		4.99		mg/Kg			07/06/22 21:26	1

Client Sample ID: CS-75 3

Lab Sample ID: 890-2490-20

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 19:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 19:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 09:54	07/05/22 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/05/22 09:54	07/05/22 19:17	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/05/22 09:54	07/05/22 19:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/06/22 07:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/06/22 07:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 09:21	07/06/22 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/05/22 09:21	07/06/22 07:00	1
o-Terphenyl	109		70 - 130				07/05/22 09:21	07/06/22 07:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		5.02		mg/Kg			07/06/22 21:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-76 3

Lab Sample ID: 890-2490-21

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		07/05/22 11:38	07/05/22 22:22	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		07/05/22 11:38	07/05/22 22:22	1
Ethylbenzene	<0.00202	U F1 F2	0.00202		mg/Kg		07/05/22 11:38	07/05/22 22:22	1
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.00404		mg/Kg		07/05/22 11:38	07/05/22 22:22	1
o-Xylene	<0.00202	U F1 F2	0.00202		mg/Kg		07/05/22 11:38	07/05/22 22:22	1
Xylenes, Total	<0.00404	U F1 F2	0.00404		mg/Kg		07/05/22 11:38	07/05/22 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/05/22 11:38	07/05/22 22:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/05/22 11:38	07/05/22 22:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		07/05/22 14:40	07/05/22 19:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 19:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/05/22 14:40	07/05/22 19:00	1
o-Terphenyl	112		70 - 130	07/05/22 14:40	07/05/22 19:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.3		5.04		mg/Kg			07/05/22 20:24	1

Client Sample ID: CS-77 3

Lab Sample ID: 890-2490-22

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 11:38	07/05/22 22:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 11:38	07/05/22 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/05/22 11:38	07/05/22 22:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-77 3

Lab Sample ID: 890-2490-22

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 11:38	07/05/22 22:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U +*	49.8		mg/Kg		07/05/22 14:40	07/05/22 20:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/05/22 20:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/05/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/05/22 14:40	07/05/22 20:04	1
o-Terphenyl	110		70 - 130				07/05/22 14:40	07/05/22 20:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.5		4.99		mg/Kg			07/05/22 20:48	1

Client Sample ID: CS-78 3

Lab Sample ID: 890-2490-23

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/05/22 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/05/22 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/05/22 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 11:38	07/05/22 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/05/22 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 11:38	07/05/22 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/05/22 11:38	07/05/22 23:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/05/22 11:38	07/05/22 23:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-78 3

Lab Sample ID: 890-2490-23

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/05/22 14:40	07/05/22 20:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 20:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/05/22 14:40	07/05/22 20:26	1
o-Terphenyl	111		70 - 130				07/05/22 14:40	07/05/22 20:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.4		5.00		mg/Kg			07/05/22 20:55	1

Client Sample ID: CS-79 3

Lab Sample ID: 890-2490-24

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/05/22 23:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/05/22 23:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/05/22 23:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 11:38	07/05/22 23:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/05/22 23:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 11:38	07/05/22 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/05/22 11:38	07/05/22 23:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/05/22 11:38	07/05/22 23:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		07/05/22 14:40	07/05/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 20:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/05/22 14:40	07/05/22 20:47	1
o-Terphenyl	107		70 - 130				07/05/22 14:40	07/05/22 20:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-79 3

Lab Sample ID: 890-2490-24

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		4.98		mg/Kg			07/05/22 21:03	1

Client Sample ID: CS-80 3

Lab Sample ID: 890-2490-25

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/05/22 23:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/05/22 23:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/05/22 23:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 11:38	07/05/22 23:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/05/22 23:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 11:38	07/05/22 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/05/22 11:38	07/05/22 23:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/05/22 11:38	07/05/22 23:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		07/05/22 14:40	07/05/22 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/05/22 14:40	07/05/22 21:09	1
o-Terphenyl	104		70 - 130				07/05/22 14:40	07/05/22 21:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.8		5.00		mg/Kg			07/05/22 21:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-81 3

Lab Sample ID: 890-2490-26

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 11:38	07/06/22 00:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 11:38	07/06/22 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/05/22 11:38	07/06/22 00:04	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/05/22 11:38	07/06/22 00:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/05/22 14:40	07/05/22 21:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 21:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	07/05/22 14:40	07/05/22 21:31	1
o-Terphenyl	111		70 - 130	07/05/22 14:40	07/05/22 21:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.3		4.96		mg/Kg			07/05/22 21:35	1

Client Sample ID: SW-1 4.5

Lab Sample ID: 890-2490-27

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/06/22 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/06/22 00:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/06/22 00:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 11:38	07/06/22 00:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 11:38	07/06/22 00:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 11:38	07/06/22 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/05/22 11:38	07/06/22 00:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-1 4.5

Lab Sample ID: 890-2490-27

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	07/05/22 11:38	07/06/22 00:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U +*	49.9		mg/Kg		07/05/22 14:40	07/05/22 21:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 21:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 21:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/05/22 14:40	07/05/22 21:52	1
o-Terphenyl	111		70 - 130				07/05/22 14:40	07/05/22 21:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		4.95		mg/Kg			07/05/22 21:43	1

Client Sample ID: SW-2 4.5

Lab Sample ID: 890-2490-28

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 11:38	07/06/22 00:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 00:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 11:38	07/06/22 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/05/22 11:38	07/06/22 00:45	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 11:38	07/06/22 00:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-2 4.5

Lab Sample ID: 890-2490-28

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		07/05/22 14:40	07/05/22 22:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/05/22 22:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/05/22 22:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/05/22 14:40	07/05/22 22:13	1
o-Terphenyl	111		70 - 130				07/05/22 14:40	07/05/22 22:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.7		4.95		mg/Kg			07/05/22 21:50	1

Client Sample ID: SW-3 4.5

Lab Sample ID: 890-2490-29

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/06/22 01:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/06/22 01:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/06/22 01:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 11:38	07/06/22 01:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 11:38	07/06/22 01:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 11:38	07/06/22 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/05/22 11:38	07/06/22 01:06	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/05/22 11:38	07/06/22 01:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/05/22 14:40	07/05/22 22:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 22:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/05/22 14:40	07/05/22 22:35	1
o-Terphenyl	108		70 - 130				07/05/22 14:40	07/05/22 22:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-3 4.5

Lab Sample ID: 890-2490-29

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.97		mg/Kg			07/05/22 21:58	1

Client Sample ID: SW-4 2.5

Lab Sample ID: 890-2490-30

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 2.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 01:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 11:38	07/06/22 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 01:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 11:38	07/06/22 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/05/22 11:38	07/06/22 01:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/05/22 11:38	07/06/22 01:26	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		07/05/22 14:40	07/05/22 22:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/05/22 22:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/05/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/05/22 14:40	07/05/22 22:57	1
o-Terphenyl	110		70 - 130				07/05/22 14:40	07/05/22 22:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		5.04		mg/Kg			07/05/22 22:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-22 3

Lab Sample ID: 890-2490-31

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 02:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 11:38	07/06/22 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/06/22 02:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 11:38	07/06/22 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/05/22 11:38	07/06/22 02:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 11:38	07/06/22 02:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/05/22 14:40	07/05/22 23:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 23:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/05/22 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	07/05/22 14:40	07/05/22 23:40	1
o-Terphenyl	107		70 - 130	07/05/22 14:40	07/05/22 23:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.1	F1	5.00		mg/Kg			07/05/22 22:14	1

Client Sample ID: SW-23 3

Lab Sample ID: 890-2490-32

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/06/22 03:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/06/22 03:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/06/22 03:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 11:38	07/06/22 03:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 11:38	07/06/22 03:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 11:38	07/06/22 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/05/22 11:38	07/06/22 03:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-23 3

Lab Sample ID: 890-2490-32

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	07/05/22 11:38	07/06/22 03:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/05/22 14:40	07/06/22 00:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/06/22 00:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/06/22 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/05/22 14:40	07/06/22 00:01	1
o-Terphenyl	108		70 - 130				07/05/22 14:40	07/06/22 00:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.99		mg/Kg			07/05/22 22:37	1

Client Sample ID: SW-24 3

Lab Sample ID: 890-2490-33

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/05/22 11:38	07/06/22 03:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/05/22 11:38	07/06/22 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/05/22 11:38	07/06/22 03:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 11:38	07/06/22 03:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/06/22 09:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-24 3

Lab Sample ID: 890-2490-33

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		07/05/22 14:40	07/06/22 00:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/06/22 00:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 14:40	07/06/22 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/05/22 14:40	07/06/22 00:23	1
o-Terphenyl	109		70 - 130				07/05/22 14:40	07/06/22 00:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.7		4.97		mg/Kg			07/05/22 22:45	1

Client Sample ID: SW-25 3

Lab Sample ID: 890-2490-34

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/05/22 11:38	07/06/22 03:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 11:38	07/06/22 03:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/05/22 11:38	07/06/22 03:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/05/22 11:38	07/06/22 03:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/05/22 11:38	07/06/22 03:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/06/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		07/05/22 14:40	07/06/22 00:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/06/22 00:44	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/05/22 14:40	07/06/22 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/05/22 14:40	07/06/22 00:44	1
o-Terphenyl	104		70 - 130				07/05/22 14:40	07/06/22 00:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-25 3
Date Collected: 06/30/22 00:00
Date Received: 07/01/22 07:48
Sample Depth: 3'

Lab Sample ID: 890-2490-34
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.98		mg/Kg			07/05/22 23:09	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB1	DFBZ1		
		(70-130)	(70-130)		
890-2490-1	CS-1 4.5	108	95		
890-2490-1 MS	CS-1 4.5	112	104		
890-2490-1 MSD	CS-1 4.5	110	101		
890-2490-2	CS-2 4.5	112	97		
890-2490-3	CS-3 4.5	111	97		
890-2490-4	CS-4 4.5	111	97		
890-2490-5	CS-5 4.5	111	96		
890-2490-6	CS-6 4.5	115	96		
890-2490-7	CS-7 4.5	110	94		
890-2490-8	CS-63 3	112	93		
890-2490-9	CS-64 3	113	95		
890-2490-10	CS-65 3	108	93		
890-2490-11	CS-66 3	110	97		
890-2490-12	CS-67 3	111	95		
890-2490-13	CS-68 3	110	93		
890-2490-14	CS-69 3	111	95		
890-2490-15	CS-70 3	111	95		
890-2490-16	CS-71 3	114	96		
890-2490-17	CS-72 3	111	95		
890-2490-18	CS-73 3	113	94		
890-2490-19	CS-74 3	116	95		
890-2490-20	CS-75 3	112	92		
890-2490-21	CS-76 3	110	93		
890-2490-21 MS	CS-76 3	114	99		
890-2490-21 MSD	CS-76 3	114	101		
890-2490-22	CS-77 3	113	94		
890-2490-23	CS-78 3	113	93		
890-2490-24	CS-79 3	111	93		
890-2490-25	CS-80 3	109	94		
890-2490-26	CS-81 3	112	93		
890-2490-27	SW-1 4.5	111	91		
890-2490-28	SW-2 4.5	112	94		
890-2490-29	SW-3 4.5	114	93		
890-2490-30	SW-4 2.5	113	92		
890-2490-31	SW-22 3	110	94		
890-2490-32	SW-23 3	113	93		
890-2490-33	SW-24 3	112	94		
890-2490-34	SW-25 3	108	95		
LCS 880-28998/1-A	Lab Control Sample	108	103		
LCS 880-29023/1-A	Lab Control Sample	113	101		
LCSD 880-28998/2-A	Lab Control Sample Dup	107	102		
LCSD 880-29023/2-A	Lab Control Sample Dup	113	102		
MB 880-28998/5-A	Method Blank	103	92		
MB 880-29023/5-A	Method Blank	98	89		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-2490-1

Project/Site: Cosmo Booster

SDG: 1028

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)
890-2490-1	CS-1 4.5	92	89
890-2490-1 MS	CS-1 4.5	105	95
890-2490-1 MSD	CS-1 4.5	100	85
890-2490-2	CS-2 4.5	89	93
890-2490-3	CS-3 4.5	86	86
890-2490-4	CS-4 4.5	90	91
890-2490-5	CS-5 4.5	81	79
890-2490-6	CS-6 4.5	96	97
890-2490-7	CS-7 4.5	98	99
890-2490-8	CS-63 3	90	88
890-2490-9	CS-64 3	88	89
890-2490-10	CS-65 3	94	94
890-2490-11	CS-66 3	89	93
890-2490-12	CS-67 3	93	90
890-2490-13	CS-68 3	97	102
890-2490-14	CS-69 3	93	90
890-2490-15	CS-70 3	95	94
890-2490-16	CS-71 3	88	93
890-2490-17	CS-72 3	97	99
890-2490-18	CS-73 3	97	101
890-2490-19	CS-74 3	89	92
890-2490-20	CS-75 3	86	109
890-2490-21	CS-76 3	102	112
890-2490-21 MS	CS-76 3	107	111
890-2490-21 MSD	CS-76 3	107	110
890-2490-22	CS-77 3	99	110
890-2490-23	CS-78 3	101	111
890-2490-24	CS-79 3	99	107
890-2490-25	CS-80 3	96	104
890-2490-26	CS-81 3	101	111
890-2490-27	SW-1 4.5	100	111
890-2490-28	SW-2 4.5	100	111
890-2490-29	SW-3 4.5	100	108
890-2490-30	SW-4 2.5	100	110
890-2490-31	SW-22 3	97	107
890-2490-32	SW-23 3	98	108
890-2490-33	SW-24 3	100	109
890-2490-34	SW-25 3	98	104
LCS 880-28999/2-A	Lab Control Sample	124	119
LCS 880-29058/2-A	Lab Control Sample	92	94
LCSD 880-28999/3-A	Lab Control Sample Dup	116	115
LCSD 880-29058/3-A	Lab Control Sample Dup	95	101
MB 880-28999/1-A	Method Blank	99	112
MB 880-29058/1-A	Method Blank	109	121

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28998/5-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 11:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/05/22 09:54	07/05/22 11:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/05/22 09:54	07/05/22 11:23	1

Lab Sample ID: LCS 880-28998/1-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09715		mg/Kg		97	70 - 130
Toluene	0.100	0.09542		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09930		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2070		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1035		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-28998/2-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28998

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1043		mg/Kg		104	70 - 130	7	35
Toluene	0.100	0.1013		mg/Kg		101	70 - 130	6	35
Ethylbenzene	0.100	0.1066		mg/Kg		107	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	6	35
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2490-1 MS

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: CS-1 4.5

Prep Type: Total/NA

Prep Batch: 28998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.1031		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.101	0.1018		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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

Lab Sample ID: 890-2490-1 MS

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: CS-1 4.5

Prep Type: Total/NA

Prep Batch: 28998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.101	0.1057		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.2197		mg/Kg		109	70 - 130
o-Xylene	<0.00200	U	0.101	0.1080		mg/Kg		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-2490-1 MSD

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: CS-1 4.5

Prep Type: Total/NA

Prep Batch: 28998

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.09507		mg/Kg		95	70 - 130	8	35
Toluene	<0.00200	U	0.0996	0.09399		mg/Kg		94	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.0996	0.09713		mg/Kg		98	70 - 130	8	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2017		mg/Kg		101	70 - 130	9	35
o-Xylene	<0.00200	U	0.0996	0.09922		mg/Kg		100	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-29023/5-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 11:38	07/05/22 22:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/05/22 11:38	07/05/22 22:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/05/22 11:38	07/05/22 22:00	1

Lab Sample ID: LCS 880-29023/1-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09001		mg/Kg		90	70 - 130
Toluene	0.100	0.08739		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09257		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1934		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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

Lab Sample ID: LCS 880-29023/1-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09702		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-29023/2-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09814		mg/Kg		98	70 - 130	9	35
Toluene	0.100	0.09405		mg/Kg		94	70 - 130	7	35
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2072		mg/Kg		104	70 - 130	7	35
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2490-21 MS

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: CS-76 3

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.101	0.08708		mg/Kg		86	70 - 130
Toluene	<0.00202	U F1	0.101	0.08538		mg/Kg		85	70 - 130
Ethylbenzene	<0.00202	U F1 F2	0.101	0.08858		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.202	0.1820		mg/Kg		90	70 - 130
o-Xylene	<0.00202	U F1 F2	0.101	0.09001		mg/Kg		89	70 - 130

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

Lab Sample ID: 890-2490-21 MSD

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: CS-76 3

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0994	0.06715	F1	mg/Kg		68	70 - 130	26	35
Toluene	<0.00202	U F1	0.0994	0.06334	F1	mg/Kg		64	70 - 130	30	35
Ethylbenzene	<0.00202	U F1 F2	0.0994	0.06096	F1 F2	mg/Kg		61	70 - 130	37	35
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.199	0.1248	F1 F2	mg/Kg		63	70 - 130	37	35
o-Xylene	<0.00202	U F1 F2	0.0994	0.06218	F1 F2	mg/Kg		63	70 - 130	37	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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

Lab Sample ID: 890-2490-21 MSD

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: CS-76 3

Prep Type: Total/NA

Prep Batch: 29023

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-28999/1-A

Matrix: Solid

Analysis Batch: 28986

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28999

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 11:00	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 11:00	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 09:21	07/05/22 11:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	99		70 - 130				07/05/22 09:21	07/05/22 11:00	1	
o-Terphenyl	112		70 - 130				07/05/22 09:21	07/05/22 11:00	1	

Lab Sample ID: LCS 880-28999/2-A

Matrix: Solid

Analysis Batch: 28986

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28999

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	1079		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1280		mg/Kg		128	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	124		70 - 130							
o-Terphenyl	119		70 - 130							

Lab Sample ID: LCSD 880-28999/3-A

Matrix: Solid

Analysis Batch: 28986

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28999

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1037		mg/Kg		104	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1143		mg/Kg		114	70 - 130	11	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	115		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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

Lab Sample ID: 890-2490-1 MS

Matrix: Solid

Analysis Batch: 28986

Client Sample ID: CS-1 4.5

Prep Type: Total/NA

Prep Batch: 28999

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 F2	997	1081		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	885.3		mg/Kg		89	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 890-2490-1 MSD

Matrix: Solid

Analysis Batch: 28986

Client Sample ID: CS-1 4.5

Prep Type: Total/NA

Prep Batch: 28999

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 F2	1000	849.9	F2	mg/Kg		85	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	828.9		mg/Kg		83	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: MB 880-29058/1-A

Matrix: Solid

Analysis Batch: 29100

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 17:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 14:40	07/05/22 17:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/05/22 14:40	07/05/22 17:50	1
o-Terphenyl	121		70 - 130				07/05/22 14:40	07/05/22 17:50	1

Lab Sample ID: LCS 880-29058/2-A

Matrix: Solid

Analysis Batch: 29100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1526	*+	mg/Kg		153	70 - 130
Diesel Range Organics (Over C10-C28)	1000	943.8		mg/Kg		94	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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

Lab Sample ID: LCS 880-29058/2-A

Matrix: Solid

Analysis Batch: 29100

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29058

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-29058/3-A

Matrix: Solid

Analysis Batch: 29100

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29058

	Spike	LCSD	LCSD						%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
Gasoline Range Organics (GRO)-C6-C10	1000	1390	*+	mg/Kg		139	70 - 130	9	20			
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		106	70 - 130	11	20			

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-2490-21 MS

Matrix: Solid

Analysis Batch: 29100

Client Sample ID: CS-76 3

Prep Type: Total/NA

Prep Batch: 29058

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	997	1104		mg/Kg		111	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	997	932.4		mg/Kg		94	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 890-2490-21 MSD

Matrix: Solid

Analysis Batch: 29100

Client Sample ID: CS-76 3

Prep Type: Total/NA

Prep Batch: 29058

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	998	1093		mg/Kg		110	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	998	926.4		mg/Kg		93	70 - 130	1	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	110		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28994/1-A

Matrix: Solid

Analysis Batch: 29061

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			07/05/22 20:01	1

Lab Sample ID: LCS 880-28994/2-A

Matrix: Solid

Analysis Batch: 29061

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-28994/3-A

Matrix: Solid

Analysis Batch: 29061

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	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-2490-21 MS

Matrix: Solid

Analysis Batch: 29061

Client Sample ID: CS-76 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	90.3		252	357.2		mg/Kg		106	90 - 110

Lab Sample ID: 890-2490-21 MSD

Matrix: Solid

Analysis Batch: 29061

Client Sample ID: CS-76 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	90.3		252	357.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-2490-31 MS

Matrix: Solid

Analysis Batch: 29061

Client Sample ID: SW-22 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	88.1	F1	250	384.8	F1	mg/Kg		119	90 - 110

Lab Sample ID: 890-2490-31 MSD

Matrix: Solid

Analysis Batch: 29061

Client Sample ID: SW-22 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	88.1	F1	250	385.2	F1	mg/Kg		119	90 - 110	0	20

Lab Sample ID: MB 880-28992/1-A

Matrix: Solid

Analysis Batch: 29137

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			07/06/22 17:07	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-28992/2-A

Matrix: Solid

Analysis Batch: 29137

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.9		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-28992/3-A

Matrix: Solid

Analysis Batch: 29137

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	241.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-2490-1 MS

Matrix: Solid

Analysis Batch: 29137

Client Sample ID: CS-1 4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	159	F1	250	373.9	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 890-2490-1 MSD

Matrix: Solid

Analysis Batch: 29137

Client Sample ID: CS-1 4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	159	F1	250	375.2	F1	mg/Kg		87	90 - 110	0	20

Lab Sample ID: 890-2490-11 MS

Matrix: Solid

Analysis Batch: 29137

Client Sample ID: CS-66 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	74.5		248	343.8		mg/Kg		109	90 - 110		

Lab Sample ID: 890-2490-11 MSD

Matrix: Solid

Analysis Batch: 29137

Client Sample ID: CS-66 3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74.5		248	344.0		mg/Kg		109	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

GC VOA

Analysis Batch: 28982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Total/NA	Solid	8021B	28998
890-2490-2	CS-2 4.5	Total/NA	Solid	8021B	28998
890-2490-3	CS-3 4.5	Total/NA	Solid	8021B	28998
890-2490-4	CS-4 4.5	Total/NA	Solid	8021B	28998
890-2490-5	CS-5 4.5	Total/NA	Solid	8021B	28998
890-2490-6	CS-6 4.5	Total/NA	Solid	8021B	28998
890-2490-7	CS-7 4.5	Total/NA	Solid	8021B	28998
890-2490-8	CS-63 3	Total/NA	Solid	8021B	28998
890-2490-9	CS-64 3	Total/NA	Solid	8021B	28998
890-2490-10	CS-65 3	Total/NA	Solid	8021B	28998
890-2490-11	CS-66 3	Total/NA	Solid	8021B	28998
890-2490-12	CS-67 3	Total/NA	Solid	8021B	28998
890-2490-13	CS-68 3	Total/NA	Solid	8021B	28998
890-2490-14	CS-69 3	Total/NA	Solid	8021B	28998
890-2490-15	CS-70 3	Total/NA	Solid	8021B	28998
890-2490-16	CS-71 3	Total/NA	Solid	8021B	28998
890-2490-17	CS-72 3	Total/NA	Solid	8021B	28998
890-2490-18	CS-73 3	Total/NA	Solid	8021B	28998
890-2490-19	CS-74 3	Total/NA	Solid	8021B	28998
890-2490-20	CS-75 3	Total/NA	Solid	8021B	28998
890-2490-21	CS-76 3	Total/NA	Solid	8021B	29023
890-2490-22	CS-77 3	Total/NA	Solid	8021B	29023
890-2490-23	CS-78 3	Total/NA	Solid	8021B	29023
890-2490-24	CS-79 3	Total/NA	Solid	8021B	29023
890-2490-25	CS-80 3	Total/NA	Solid	8021B	29023
890-2490-26	CS-81 3	Total/NA	Solid	8021B	29023
890-2490-27	SW-1 4.5	Total/NA	Solid	8021B	29023
890-2490-28	SW-2 4.5	Total/NA	Solid	8021B	29023
890-2490-29	SW-3 4.5	Total/NA	Solid	8021B	29023
890-2490-30	SW-4 2.5	Total/NA	Solid	8021B	29023
890-2490-31	SW-22 3	Total/NA	Solid	8021B	29023
890-2490-32	SW-23 3	Total/NA	Solid	8021B	29023
890-2490-33	SW-24 3	Total/NA	Solid	8021B	29023
890-2490-34	SW-25 3	Total/NA	Solid	8021B	29023
MB 880-28998/5-A	Method Blank	Total/NA	Solid	8021B	28998
MB 880-29023/5-A	Method Blank	Total/NA	Solid	8021B	29023
LCS 880-28998/1-A	Lab Control Sample	Total/NA	Solid	8021B	28998
LCS 880-29023/1-A	Lab Control Sample	Total/NA	Solid	8021B	29023
LCSD 880-28998/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28998
LCSD 880-29023/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29023
890-2490-1 MS	CS-1 4.5	Total/NA	Solid	8021B	28998
890-2490-1 MSD	CS-1 4.5	Total/NA	Solid	8021B	28998
890-2490-21 MS	CS-76 3	Total/NA	Solid	8021B	29023
890-2490-21 MSD	CS-76 3	Total/NA	Solid	8021B	29023

Prep Batch: 28998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Total/NA	Solid	5035	
890-2490-2	CS-2 4.5	Total/NA	Solid	5035	
890-2490-3	CS-3 4.5	Total/NA	Solid	5035	
890-2490-4	CS-4 4.5	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

GC VOA (Continued)

Prep Batch: 28998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-5	CS-5 4.5	Total/NA	Solid	5035	
890-2490-6	CS-6 4.5	Total/NA	Solid	5035	
890-2490-7	CS-7 4.5	Total/NA	Solid	5035	
890-2490-8	CS-63 3	Total/NA	Solid	5035	
890-2490-9	CS-64 3	Total/NA	Solid	5035	
890-2490-10	CS-65 3	Total/NA	Solid	5035	
890-2490-11	CS-66 3	Total/NA	Solid	5035	
890-2490-12	CS-67 3	Total/NA	Solid	5035	
890-2490-13	CS-68 3	Total/NA	Solid	5035	
890-2490-14	CS-69 3	Total/NA	Solid	5035	
890-2490-15	CS-70 3	Total/NA	Solid	5035	
890-2490-16	CS-71 3	Total/NA	Solid	5035	
890-2490-17	CS-72 3	Total/NA	Solid	5035	
890-2490-18	CS-73 3	Total/NA	Solid	5035	
890-2490-19	CS-74 3	Total/NA	Solid	5035	
890-2490-20	CS-75 3	Total/NA	Solid	5035	
MB 880-28998/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28998/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28998/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2490-1 MS	CS-1 4.5	Total/NA	Solid	5035	
890-2490-1 MSD	CS-1 4.5	Total/NA	Solid	5035	

Prep Batch: 29023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-21	CS-76 3	Total/NA	Solid	5035	
890-2490-22	CS-77 3	Total/NA	Solid	5035	
890-2490-23	CS-78 3	Total/NA	Solid	5035	
890-2490-24	CS-79 3	Total/NA	Solid	5035	
890-2490-25	CS-80 3	Total/NA	Solid	5035	
890-2490-26	CS-81 3	Total/NA	Solid	5035	
890-2490-27	SW-1 4.5	Total/NA	Solid	5035	
890-2490-28	SW-2 4.5	Total/NA	Solid	5035	
890-2490-29	SW-3 4.5	Total/NA	Solid	5035	
890-2490-30	SW-4 2.5	Total/NA	Solid	5035	
890-2490-31	SW-22 3	Total/NA	Solid	5035	
890-2490-32	SW-23 3	Total/NA	Solid	5035	
890-2490-33	SW-24 3	Total/NA	Solid	5035	
890-2490-34	SW-25 3	Total/NA	Solid	5035	
MB 880-29023/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29023/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29023/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2490-21 MS	CS-76 3	Total/NA	Solid	5035	
890-2490-21 MSD	CS-76 3	Total/NA	Solid	5035	

Analysis Batch: 29130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Total/NA	Solid	Total BTEX	
890-2490-2	CS-2 4.5	Total/NA	Solid	Total BTEX	
890-2490-3	CS-3 4.5	Total/NA	Solid	Total BTEX	
890-2490-4	CS-4 4.5	Total/NA	Solid	Total BTEX	
890-2490-5	CS-5 4.5	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

GC VOA (Continued)

Analysis Batch: 29130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-6	CS-6 4.5	Total/NA	Solid	Total BTEX	
890-2490-7	CS-7 4.5	Total/NA	Solid	Total BTEX	
890-2490-8	CS-63 3	Total/NA	Solid	Total BTEX	
890-2490-9	CS-64 3	Total/NA	Solid	Total BTEX	
890-2490-10	CS-65 3	Total/NA	Solid	Total BTEX	
890-2490-11	CS-66 3	Total/NA	Solid	Total BTEX	
890-2490-12	CS-67 3	Total/NA	Solid	Total BTEX	
890-2490-13	CS-68 3	Total/NA	Solid	Total BTEX	
890-2490-14	CS-69 3	Total/NA	Solid	Total BTEX	
890-2490-15	CS-70 3	Total/NA	Solid	Total BTEX	
890-2490-16	CS-71 3	Total/NA	Solid	Total BTEX	
890-2490-17	CS-72 3	Total/NA	Solid	Total BTEX	
890-2490-18	CS-73 3	Total/NA	Solid	Total BTEX	
890-2490-19	CS-74 3	Total/NA	Solid	Total BTEX	
890-2490-20	CS-75 3	Total/NA	Solid	Total BTEX	
890-2490-21	CS-76 3	Total/NA	Solid	Total BTEX	
890-2490-22	CS-77 3	Total/NA	Solid	Total BTEX	
890-2490-23	CS-78 3	Total/NA	Solid	Total BTEX	
890-2490-24	CS-79 3	Total/NA	Solid	Total BTEX	
890-2490-25	CS-80 3	Total/NA	Solid	Total BTEX	
890-2490-26	CS-81 3	Total/NA	Solid	Total BTEX	
890-2490-27	SW-1 4.5	Total/NA	Solid	Total BTEX	
890-2490-28	SW-2 4.5	Total/NA	Solid	Total BTEX	
890-2490-29	SW-3 4.5	Total/NA	Solid	Total BTEX	
890-2490-30	SW-4 2.5	Total/NA	Solid	Total BTEX	
890-2490-31	SW-22 3	Total/NA	Solid	Total BTEX	
890-2490-32	SW-23 3	Total/NA	Solid	Total BTEX	
890-2490-33	SW-24 3	Total/NA	Solid	Total BTEX	
890-2490-34	SW-25 3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 28986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Total/NA	Solid	8015B NM	28999
890-2490-2	CS-2 4.5	Total/NA	Solid	8015B NM	28999
890-2490-3	CS-3 4.5	Total/NA	Solid	8015B NM	28999
890-2490-4	CS-4 4.5	Total/NA	Solid	8015B NM	28999
890-2490-5	CS-5 4.5	Total/NA	Solid	8015B NM	28999
890-2490-6	CS-6 4.5	Total/NA	Solid	8015B NM	28999
890-2490-7	CS-7 4.5	Total/NA	Solid	8015B NM	28999
890-2490-8	CS-63 3	Total/NA	Solid	8015B NM	28999
890-2490-9	CS-64 3	Total/NA	Solid	8015B NM	28999
890-2490-10	CS-65 3	Total/NA	Solid	8015B NM	28999
890-2490-11	CS-66 3	Total/NA	Solid	8015B NM	28999
890-2490-12	CS-67 3	Total/NA	Solid	8015B NM	28999
890-2490-13	CS-68 3	Total/NA	Solid	8015B NM	28999
890-2490-14	CS-69 3	Total/NA	Solid	8015B NM	28999
890-2490-15	CS-70 3	Total/NA	Solid	8015B NM	28999
890-2490-16	CS-71 3	Total/NA	Solid	8015B NM	28999
890-2490-17	CS-72 3	Total/NA	Solid	8015B NM	28999

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 28986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-18	CS-73 3	Total/NA	Solid	8015B NM	28999
890-2490-19	CS-74 3	Total/NA	Solid	8015B NM	28999
890-2490-20	CS-75 3	Total/NA	Solid	8015B NM	28999
MB 880-28999/1-A	Method Blank	Total/NA	Solid	8015B NM	28999
LCS 880-28999/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28999
LCSD 880-28999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28999
890-2490-1 MS	CS-1 4.5	Total/NA	Solid	8015B NM	28999
890-2490-1 MSD	CS-1 4.5	Total/NA	Solid	8015B NM	28999

Prep Batch: 28999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Total/NA	Solid	8015NM Prep	
890-2490-2	CS-2 4.5	Total/NA	Solid	8015NM Prep	
890-2490-3	CS-3 4.5	Total/NA	Solid	8015NM Prep	
890-2490-4	CS-4 4.5	Total/NA	Solid	8015NM Prep	
890-2490-5	CS-5 4.5	Total/NA	Solid	8015NM Prep	
890-2490-6	CS-6 4.5	Total/NA	Solid	8015NM Prep	
890-2490-7	CS-7 4.5	Total/NA	Solid	8015NM Prep	
890-2490-8	CS-63 3	Total/NA	Solid	8015NM Prep	
890-2490-9	CS-64 3	Total/NA	Solid	8015NM Prep	
890-2490-10	CS-65 3	Total/NA	Solid	8015NM Prep	
890-2490-11	CS-66 3	Total/NA	Solid	8015NM Prep	
890-2490-12	CS-67 3	Total/NA	Solid	8015NM Prep	
890-2490-13	CS-68 3	Total/NA	Solid	8015NM Prep	
890-2490-14	CS-69 3	Total/NA	Solid	8015NM Prep	
890-2490-15	CS-70 3	Total/NA	Solid	8015NM Prep	
890-2490-16	CS-71 3	Total/NA	Solid	8015NM Prep	
890-2490-17	CS-72 3	Total/NA	Solid	8015NM Prep	
890-2490-18	CS-73 3	Total/NA	Solid	8015NM Prep	
890-2490-19	CS-74 3	Total/NA	Solid	8015NM Prep	
890-2490-20	CS-75 3	Total/NA	Solid	8015NM Prep	
MB 880-28999/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28999/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2490-1 MS	CS-1 4.5	Total/NA	Solid	8015NM Prep	
890-2490-1 MSD	CS-1 4.5	Total/NA	Solid	8015NM Prep	

Prep Batch: 29058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-21	CS-76 3	Total/NA	Solid	8015NM Prep	
890-2490-22	CS-77 3	Total/NA	Solid	8015NM Prep	
890-2490-23	CS-78 3	Total/NA	Solid	8015NM Prep	
890-2490-24	CS-79 3	Total/NA	Solid	8015NM Prep	
890-2490-25	CS-80 3	Total/NA	Solid	8015NM Prep	
890-2490-26	CS-81 3	Total/NA	Solid	8015NM Prep	
890-2490-27	SW-1 4.5	Total/NA	Solid	8015NM Prep	
890-2490-28	SW-2 4.5	Total/NA	Solid	8015NM Prep	
890-2490-29	SW-3 4.5	Total/NA	Solid	8015NM Prep	
890-2490-30	SW-4 2.5	Total/NA	Solid	8015NM Prep	
890-2490-31	SW-22 3	Total/NA	Solid	8015NM Prep	
890-2490-32	SW-23 3	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

GC Semi VOA (Continued)

Prep Batch: 29058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-33	SW-24 3	Total/NA	Solid	8015NM Prep	
890-2490-34	SW-25 3	Total/NA	Solid	8015NM Prep	
MB 880-29058/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29058/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29058/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2490-21 MS	CS-76 3	Total/NA	Solid	8015NM Prep	
890-2490-21 MSD	CS-76 3	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-21	CS-76 3	Total/NA	Solid	8015B NM	29058
890-2490-22	CS-77 3	Total/NA	Solid	8015B NM	29058
890-2490-23	CS-78 3	Total/NA	Solid	8015B NM	29058
890-2490-24	CS-79 3	Total/NA	Solid	8015B NM	29058
890-2490-25	CS-80 3	Total/NA	Solid	8015B NM	29058
890-2490-26	CS-81 3	Total/NA	Solid	8015B NM	29058
890-2490-27	SW-1 4.5	Total/NA	Solid	8015B NM	29058
890-2490-28	SW-2 4.5	Total/NA	Solid	8015B NM	29058
890-2490-29	SW-3 4.5	Total/NA	Solid	8015B NM	29058
890-2490-30	SW-4 2.5	Total/NA	Solid	8015B NM	29058
890-2490-31	SW-22 3	Total/NA	Solid	8015B NM	29058
890-2490-32	SW-23 3	Total/NA	Solid	8015B NM	29058
890-2490-33	SW-24 3	Total/NA	Solid	8015B NM	29058
890-2490-34	SW-25 3	Total/NA	Solid	8015B NM	29058
MB 880-29058/1-A	Method Blank	Total/NA	Solid	8015B NM	29058
LCS 880-29058/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29058
LCSD 880-29058/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29058
890-2490-21 MS	CS-76 3	Total/NA	Solid	8015B NM	29058
890-2490-21 MSD	CS-76 3	Total/NA	Solid	8015B NM	29058

Analysis Batch: 29136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Total/NA	Solid	8015 NM	
890-2490-2	CS-2 4.5	Total/NA	Solid	8015 NM	
890-2490-3	CS-3 4.5	Total/NA	Solid	8015 NM	
890-2490-4	CS-4 4.5	Total/NA	Solid	8015 NM	
890-2490-5	CS-5 4.5	Total/NA	Solid	8015 NM	
890-2490-6	CS-6 4.5	Total/NA	Solid	8015 NM	
890-2490-7	CS-7 4.5	Total/NA	Solid	8015 NM	
890-2490-8	CS-63 3	Total/NA	Solid	8015 NM	
890-2490-9	CS-64 3	Total/NA	Solid	8015 NM	
890-2490-10	CS-65 3	Total/NA	Solid	8015 NM	
890-2490-11	CS-66 3	Total/NA	Solid	8015 NM	
890-2490-12	CS-67 3	Total/NA	Solid	8015 NM	
890-2490-13	CS-68 3	Total/NA	Solid	8015 NM	
890-2490-14	CS-69 3	Total/NA	Solid	8015 NM	
890-2490-15	CS-70 3	Total/NA	Solid	8015 NM	
890-2490-16	CS-71 3	Total/NA	Solid	8015 NM	
890-2490-17	CS-72 3	Total/NA	Solid	8015 NM	
890-2490-18	CS-73 3	Total/NA	Solid	8015 NM	
890-2490-19	CS-74 3	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 29136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-20	CS-75 3	Total/NA	Solid	8015 NM	
890-2490-21	CS-76 3	Total/NA	Solid	8015 NM	
890-2490-22	CS-77 3	Total/NA	Solid	8015 NM	
890-2490-23	CS-78 3	Total/NA	Solid	8015 NM	
890-2490-24	CS-79 3	Total/NA	Solid	8015 NM	
890-2490-25	CS-80 3	Total/NA	Solid	8015 NM	
890-2490-26	CS-81 3	Total/NA	Solid	8015 NM	
890-2490-27	SW-1 4.5	Total/NA	Solid	8015 NM	
890-2490-28	SW-2 4.5	Total/NA	Solid	8015 NM	
890-2490-29	SW-3 4.5	Total/NA	Solid	8015 NM	
890-2490-30	SW-4 2.5	Total/NA	Solid	8015 NM	
890-2490-31	SW-22 3	Total/NA	Solid	8015 NM	
890-2490-32	SW-23 3	Total/NA	Solid	8015 NM	
890-2490-33	SW-24 3	Total/NA	Solid	8015 NM	
890-2490-34	SW-25 3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Soluble	Solid	DI Leach	
890-2490-2	CS-2 4.5	Soluble	Solid	DI Leach	
890-2490-3	CS-3 4.5	Soluble	Solid	DI Leach	
890-2490-4	CS-4 4.5	Soluble	Solid	DI Leach	
890-2490-5	CS-5 4.5	Soluble	Solid	DI Leach	
890-2490-6	CS-6 4.5	Soluble	Solid	DI Leach	
890-2490-7	CS-7 4.5	Soluble	Solid	DI Leach	
890-2490-8	CS-63 3	Soluble	Solid	DI Leach	
890-2490-9	CS-64 3	Soluble	Solid	DI Leach	
890-2490-10	CS-65 3	Soluble	Solid	DI Leach	
890-2490-11	CS-66 3	Soluble	Solid	DI Leach	
890-2490-12	CS-67 3	Soluble	Solid	DI Leach	
890-2490-13	CS-68 3	Soluble	Solid	DI Leach	
890-2490-14	CS-69 3	Soluble	Solid	DI Leach	
890-2490-15	CS-70 3	Soluble	Solid	DI Leach	
890-2490-16	CS-71 3	Soluble	Solid	DI Leach	
890-2490-17	CS-72 3	Soluble	Solid	DI Leach	
890-2490-18	CS-73 3	Soluble	Solid	DI Leach	
890-2490-19	CS-74 3	Soluble	Solid	DI Leach	
890-2490-20	CS-75 3	Soluble	Solid	DI Leach	
MB 880-28992/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28992/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28992/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2490-1 MS	CS-1 4.5	Soluble	Solid	DI Leach	
890-2490-1 MSD	CS-1 4.5	Soluble	Solid	DI Leach	
890-2490-11 MS	CS-66 3	Soluble	Solid	DI Leach	
890-2490-11 MSD	CS-66 3	Soluble	Solid	DI Leach	

Leach Batch: 28994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-21	CS-76 3	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

HPLC/IC (Continued)

Leach Batch: 28994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-22	CS-77 3	Soluble	Solid	DI Leach	
890-2490-23	CS-78 3	Soluble	Solid	DI Leach	
890-2490-24	CS-79 3	Soluble	Solid	DI Leach	
890-2490-25	CS-80 3	Soluble	Solid	DI Leach	
890-2490-26	CS-81 3	Soluble	Solid	DI Leach	
890-2490-27	SW-1 4.5	Soluble	Solid	DI Leach	
890-2490-28	SW-2 4.5	Soluble	Solid	DI Leach	
890-2490-29	SW-3 4.5	Soluble	Solid	DI Leach	
890-2490-30	SW-4 2.5	Soluble	Solid	DI Leach	
890-2490-31	SW-22 3	Soluble	Solid	DI Leach	
890-2490-32	SW-23 3	Soluble	Solid	DI Leach	
890-2490-33	SW-24 3	Soluble	Solid	DI Leach	
890-2490-34	SW-25 3	Soluble	Solid	DI Leach	
MB 880-28994/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28994/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28994/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2490-21 MS	CS-76 3	Soluble	Solid	DI Leach	
890-2490-21 MSD	CS-76 3	Soluble	Solid	DI Leach	
890-2490-31 MS	SW-22 3	Soluble	Solid	DI Leach	
890-2490-31 MSD	SW-22 3	Soluble	Solid	DI Leach	

Analysis Batch: 29061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-21	CS-76 3	Soluble	Solid	300.0	28994
890-2490-22	CS-77 3	Soluble	Solid	300.0	28994
890-2490-23	CS-78 3	Soluble	Solid	300.0	28994
890-2490-24	CS-79 3	Soluble	Solid	300.0	28994
890-2490-25	CS-80 3	Soluble	Solid	300.0	28994
890-2490-26	CS-81 3	Soluble	Solid	300.0	28994
890-2490-27	SW-1 4.5	Soluble	Solid	300.0	28994
890-2490-28	SW-2 4.5	Soluble	Solid	300.0	28994
890-2490-29	SW-3 4.5	Soluble	Solid	300.0	28994
890-2490-30	SW-4 2.5	Soluble	Solid	300.0	28994
890-2490-31	SW-22 3	Soluble	Solid	300.0	28994
890-2490-32	SW-23 3	Soluble	Solid	300.0	28994
890-2490-33	SW-24 3	Soluble	Solid	300.0	28994
890-2490-34	SW-25 3	Soluble	Solid	300.0	28994
MB 880-28994/1-A	Method Blank	Soluble	Solid	300.0	28994
LCS 880-28994/2-A	Lab Control Sample	Soluble	Solid	300.0	28994
LCSD 880-28994/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28994
890-2490-21 MS	CS-76 3	Soluble	Solid	300.0	28994
890-2490-21 MSD	CS-76 3	Soluble	Solid	300.0	28994
890-2490-31 MS	SW-22 3	Soluble	Solid	300.0	28994
890-2490-31 MSD	SW-22 3	Soluble	Solid	300.0	28994

Analysis Batch: 29137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-1	CS-1 4.5	Soluble	Solid	300.0	28992
890-2490-2	CS-2 4.5	Soluble	Solid	300.0	28992
890-2490-3	CS-3 4.5	Soluble	Solid	300.0	28992
890-2490-4	CS-4 4.5	Soluble	Solid	300.0	28992

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

HPLC/IC (Continued)

Analysis Batch: 29137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2490-5	CS-5 4.5	Soluble	Solid	300.0	28992
890-2490-6	CS-6 4.5	Soluble	Solid	300.0	28992
890-2490-7	CS-7 4.5	Soluble	Solid	300.0	28992
890-2490-8	CS-63 3	Soluble	Solid	300.0	28992
890-2490-9	CS-64 3	Soluble	Solid	300.0	28992
890-2490-10	CS-65 3	Soluble	Solid	300.0	28992
890-2490-11	CS-66 3	Soluble	Solid	300.0	28992
890-2490-12	CS-67 3	Soluble	Solid	300.0	28992
890-2490-13	CS-68 3	Soluble	Solid	300.0	28992
890-2490-14	CS-69 3	Soluble	Solid	300.0	28992
890-2490-15	CS-70 3	Soluble	Solid	300.0	28992
890-2490-16	CS-71 3	Soluble	Solid	300.0	28992
890-2490-17	CS-72 3	Soluble	Solid	300.0	28992
890-2490-18	CS-73 3	Soluble	Solid	300.0	28992
890-2490-19	CS-74 3	Soluble	Solid	300.0	28992
890-2490-20	CS-75 3	Soluble	Solid	300.0	28992
MB 880-28992/1-A	Method Blank	Soluble	Solid	300.0	28992
LCS 880-28992/2-A	Lab Control Sample	Soluble	Solid	300.0	28992
LCSD 880-28992/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28992
890-2490-1 MS	CS-1 4.5	Soluble	Solid	300.0	28992
890-2490-1 MSD	CS-1 4.5	Soluble	Solid	300.0	28992
890-2490-11 MS	CS-66 3	Soluble	Solid	300.0	28992
890-2490-11 MSD	CS-66 3	Soluble	Solid	300.0	28992

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-1 4.5

Lab Sample ID: 890-2490-1

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 11:45	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 12:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 17:31	CH	XEN MID

Client Sample ID: CS-2 4.5

Lab Sample ID: 890-2490-2

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 12:05	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 13:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 17:54	CH	XEN MID

Client Sample ID: CS-3 4.5

Lab Sample ID: 890-2490-3

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 12:26	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 13:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 18:02	CH	XEN MID

Client Sample ID: CS-4 4.5

Lab Sample ID: 890-2490-4

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 12:47	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-4 4.5

Lab Sample ID: 890-2490-4

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 13:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 18:10	CH	XEN MID

Client Sample ID: CS-5 4.5

Lab Sample ID: 890-2490-5

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 13:07	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 14:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 18:49	CH	XEN MID

Client Sample ID: CS-6 4.5

Lab Sample ID: 890-2490-6

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 13:28	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 14:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 19:12	CH	XEN MID

Client Sample ID: CS-7 4.5

Lab Sample ID: 890-2490-7

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 13:48	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 15:04	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-7 4.5

Lab Sample ID: 890-2490-7

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 19:20	CH	XEN MID

Client Sample ID: CS-63 3

Lab Sample ID: 890-2490-8

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 14:09	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 15:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 19:28	CH	XEN MID

Client Sample ID: CS-64 3

Lab Sample ID: 890-2490-9

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 14:29	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 15:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 19:36	CH	XEN MID

Client Sample ID: CS-65 3

Lab Sample ID: 890-2490-10

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 14:50	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 16:08	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 19:44	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-66 3

Lab Sample ID: 890-2490-11

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 16:12	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 17:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 19:52	CH	XEN MID

Client Sample ID: CS-67 3

Lab Sample ID: 890-2490-12

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 16:33	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 17:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 20:15	CH	XEN MID

Client Sample ID: CS-68 3

Lab Sample ID: 890-2490-13

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 16:53	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 20:23	CH	XEN MID

Client Sample ID: CS-69 3

Lab Sample ID: 890-2490-14

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 17:14	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-69 3

Lab Sample ID: 890-2490-14

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 20:47	CH	XEN MID

Client Sample ID: CS-70 3

Lab Sample ID: 890-2490-15

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 17:34	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 18:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 20:55	CH	XEN MID

Client Sample ID: CS-71 3

Lab Sample ID: 890-2490-16

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 17:55	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 19:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 21:02	CH	XEN MID

Client Sample ID: CS-72 3

Lab Sample ID: 890-2490-17

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 18:15	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 19:26	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-72 3

Lab Sample ID: 890-2490-17

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 21:10	CH	XEN MID

Client Sample ID: CS-73 3

Lab Sample ID: 890-2490-18

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 18:36	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/05/22 19:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 21:18	CH	XEN MID

Client Sample ID: CS-74 3

Lab Sample ID: 890-2490-19

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 18:56	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/06/22 06:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 21:26	CH	XEN MID

Client Sample ID: CS-75 3

Lab Sample ID: 890-2490-20

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	28998	07/05/22 09:54	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 19:17	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28999	07/05/22 09:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28986	07/06/22 07:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	28992	07/05/22 08:56	CH	XEN MID
Soluble	Analysis	300.0		1			29137	07/06/22 21:34	CH	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-76 3

Lab Sample ID: 890-2490-21

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 22:22	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 19:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 20:24	CH	XEN MID

Client Sample ID: CS-77 3

Lab Sample ID: 890-2490-22

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 22:42	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 20:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 20:48	CH	XEN MID

Client Sample ID: CS-78 3

Lab Sample ID: 890-2490-23

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 23:03	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 20:26	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 20:55	CH	XEN MID

Client Sample ID: CS-79 3

Lab Sample ID: 890-2490-24

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 23:23	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: CS-79 3

Lab Sample ID: 890-2490-24

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 20:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 21:03	CH	XEN MID

Client Sample ID: CS-80 3

Lab Sample ID: 890-2490-25

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/05/22 23:44	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 21:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 21:11	CH	XEN MID

Client Sample ID: CS-81 3

Lab Sample ID: 890-2490-26

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 00:04	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 21:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 21:35	CH	XEN MID

Client Sample ID: SW-1 4.5

Lab Sample ID: 890-2490-27

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 00:25	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 21:52	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-1 4.5

Lab Sample ID: 890-2490-27

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 21:43	CH	XEN MID

Client Sample ID: SW-2 4.5

Lab Sample ID: 890-2490-28

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 00:45	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 22:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 21:50	CH	XEN MID

Client Sample ID: SW-3 4.5

Lab Sample ID: 890-2490-29

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 01:06	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 22:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 21:58	CH	XEN MID

Client Sample ID: SW-4 2.5

Lab Sample ID: 890-2490-30

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 01:26	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 22:06	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-22 3

Lab Sample ID: 890-2490-31

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 02:49	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/05/22 23:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 22:14	CH	XEN MID

Client Sample ID: SW-23 3

Lab Sample ID: 890-2490-32

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 03:10	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/06/22 00:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 22:37	CH	XEN MID

Client Sample ID: SW-24 3

Lab Sample ID: 890-2490-33

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 03:30	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/06/22 00:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 22:45	CH	XEN MID

Client Sample ID: SW-25 3

Lab Sample ID: 890-2490-34

Date Collected: 06/30/22 00:00

Matrix: Solid

Date Received: 07/01/22 07:48

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	29023	07/05/22 11:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 03:51	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29130	07/06/22 09:22	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Client Sample ID: SW-25 3
Date Collected: 06/30/22 00:00
Date Received: 07/01/22 07:48

Lab Sample ID: 890-2490-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			29136	07/06/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29058	07/05/22 14:40	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29100	07/06/22 00:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28994	07/05/22 09:05	CH	XEN MID
Soluble	Analysis	300.0		1			29061	07/05/22 23:09	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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	T104704400-22-23	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: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2490-1
SDG: 1028

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2490-1	CS-1 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-2	CS-2 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-3	CS-3 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-4	CS-4 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-5	CS-5 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-6	CS-6 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-7	CS-7 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-8	CS-63 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-9	CS-64 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-10	CS-65 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-11	CS-66 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-12	CS-67 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-13	CS-68 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-14	CS-69 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-15	CS-70 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-16	CS-71 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-17	CS-72 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-18	CS-73 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-19	CS-74 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-20	CS-75 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-21	CS-76 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-22	CS-77 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-23	CS-78 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-24	CS-79 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-25	CS-80 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-26	CS-81 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-27	SW-1 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-28	SW-2 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-29	SW-3 4.5	Solid	06/30/22 00:00	07/01/22 07:48	4.5'
890-2490-30	SW-4 2.5	Solid	06/30/22 00:00	07/01/22 07:48	2.5'
890-2490-31	SW-22 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-32	SW-23 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-33	SW-24 3	Solid	06/30/22 00:00	07/01/22 07:48	3'
890-2490-34	SW-25 3	Solid	06/30/22 00:00	07/01/22 07:48	3'

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Chain of Custody

Work Order No: _____

Page 1 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nnglp.com

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

Project Name:	Cosmo Booster		Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1028	☐ Routine ☒ Rush	Due Date:	24 Hrs													None: NO	DI Water: H ₂ O		
Project Location:	Lea Co, NM																Cool: Cool	MeOH: Me		
Sampler's Name:	CRM																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 ₂ PO ₄ : HP		
Received Inact:	☒ Yes ☐ No	Thermometer ID:	TTM-007													NaHSO ₄ : NABIS				
Cooler Custody Seals:	☒ Yes ☐ No	Correction Factor:	-0.2													Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	☒ Yes ☐ No	Temperature Reading:	5.6													Zn Acetate+NaOH: Zn				
Total Containers:		Corrected Temperature:	5.4													NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-1 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-2 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-3 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-4 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-5 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-6 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-7 (4.5')	6/30/2022		X		C	1	X	X	X											
CS-83 (3)	6/30/2022		X		C	1	X	X	X											
CS-64 (3)	6/30/2022		X		C	1	X	X	X											
CS-65 (3)	6/30/2022		X		C	1	X	X	X											

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	7/1/22	<i>Amara de la Cruz</i>	7/1/22 8:10

Chain of Custody

Work Order No: _____

Page 2 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nnglep.com

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

Project Name:	Cosmo Booster	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	1028	Due Date:	24 Hrs														None: NO	DI Water: H ₂ O			
Project Location:	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool	MeOH: Me			
Sampler's Name:	CRM																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT				Temp Blank:	Yes No	Wet Ice:	Yes No													HOLD	
Received Intact:	Yes No	Thermometer ID:														H ₃ PO ₄ : HP					
Cooler Custody Seals:	Yes No N/A	Correction Factor:														NaHSO ₄ : NABIS					
Sample Custody Seals:	Yes No N/A	Temperature Reading:														Na ₂ S ₂ O ₃ : NaSO ₃					
Total Containers:		Corrected Temperature:														Zn Acetate+NaOH: Zn					
																NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-66 (3)	6/30/2022		X		C	1	X	X	X												
CS-67 (3)	6/30/2022		X		C	1	X	X	X												
CS-68 (3)	6/30/2022		X		C	1	X	X	X												
CS-69 (3)	6/30/2022		X		C	1	X	X	X												
CS-70 (3)	6/30/2022		X		C	1	X	X	X												
CS-71 (3)	6/30/2022		X		C	1	X	X	X												
CS-72 (3)	6/30/2022		X		C	1	X	X	X												
CS-73 (3)	6/30/2022		X		C	1	X	X	X												
CS-74 (3)	6/30/2022		X		C	1	X	X	X												
CS-75 (3)	6/30/2022		X		C	1	X	X	X												

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<i>Conner Moehring</i>		7/1/22	<i>Muradula Stief</i>		7/1/22 8:00

Chain of Custody

Work Order No: _____

Page 3 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nleap.com

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

Project Name:	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1028	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea Co. NM	Due Date:	24 Hrs													Cool: Cool	MeOH: Me		
Sampler's Name:	CRM	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									HOLD	
Received Intact:	Yes	No	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:			Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grav/Comp	# of Cont											Sample Comments		
CS-76 (3)	6/30/2022		X		C	1	X	X	X										
CS-77 (3)	6/30/2022		X		C	1	X	X	X										
CS-78 (3)	6/30/2022		X		C	1	X	X	X										
CS-79 (3)	6/30/2022		X		C	1	X	X	X										
CS-80 (3)	6/30/2022		X		C	1	X	X	X										
CS-81 (3)	6/30/2022		X		C	1	X	X	X										
SW-1 (4.5')	6/30/2022		X		C	1	X	X	X										
SW-2 (4.5')	6/30/2022		X		C	1	X	X	X										
SW-3 (4.5')	6/30/2022		X		C	1	X	X	X										
SW-4 (2.5')	6/30/2022		X		C	1	X	X	X										

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
		7/1/22			7/1/22 6:10

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Chain of Custody

Work Order No: _____

Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Alton St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nnglp.com

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

Project Name:	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	1028	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea Co. NM	Due Date:	24 Hrs													Cool: Cool	MeOH: Me			
Sampler's Name:	CRM	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													HOLD		
Received Inact:	Yes No	Thermometer ID:																H ₃ PO ₄ : HP		
Cooler Custody Seals:	Yes No N/A	Correction Factor:																NaHSO ₄ : NABIS		
Sample Custody Seals:	Yes No N/A	Temperature Reading:																Na ₂ S ₂ O ₃ : NaSO ₃		
Total Containers:		Corrected Temperature:																Zn Acetate+NaOH: Zn		
																		NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-22 (3)	6/30/2022		X		C	1	X	X	X	X										
SW-23 (3)	6/30/2022		X		C	1	X	X	X	X										
SW-24 (3)	6/30/2022		X		C	1	X	X	X	X										
SW-25 (3)	6/30/2022		X		C	1	X	X	X	X										

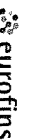
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<i>Don Meyer</i>		7/1/22	<i>Amaraela Stuf</i>		7/1/22 8:10

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact:		Phone	Kramer Jessica		890-827-1
Shipping/Receiving			E-Mail: Jessica.Kramer@et.eurofins.com	State of Origin	Page 1 of 4
Company: Eurofins Environment Testing South Cent			Accreditations Required (See note)	NEIAP - Texas	Job # 890-2490-1
Address: 1211 W Florida Ave		Due Date Requested	Analysis Requested		
City: Midland		7/8/2022			
State ZIP: TX, 79701		TAT Requested (days):			
Phone: 432-704-5440(Te)		PO #:			
Email:		W/O #:			
Project Name: NGL		Project #:			
Site:		SSOV#:			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (for water, soil, sediment, organic, inorganic, BT-tissue, AAU)
CS-1 4 5 (890-2490-1)	6/30/22	Mountain		Solid	
CS-2 4 5 (890-2490-2)	6/30/22	Mountain		Solid	
CS-3 4 5 (890-2490-3)	6/30/22	Mountain		Solid	
CS-4 4 5 (890-2490-4)	6/30/22	Mountain		Solid	
CS-5 4 5 (890-2490-5)	6/30/22	Mountain		Solid	
CS-6 4 5 (890-2490-6)	6/30/22	Mountain		Solid	
CS-7 4 5 (890-2490-7)	6/30/22	Mountain		Solid	
CS-63 3 (890-2490-8)	6/30/22	Mountain		Solid	
CS-64 3 (890-2490-9)	6/30/22	Mountain		Solid	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to compliance to Eurofins Environment Testing South Central LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested I II III IV Other (Specify)					
Primary Deliverable Rank 2					
Special Instructions/QC Requirements					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Empty Kit Relinquished by		Date	Time	Method of Shipment	
Relinquished by <i>CW</i>		Date/Time	Company	Received by <i>Sharmel</i> Date/Time <i>7/2/22 900</i> Company	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Custody Seals Intact		Custody Seal No	Cooler Temperature(s) °C and Other Remarks		
Δ Yes Δ No			<i>3.8/3.6</i>		

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Eurofins Carlsbad

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Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



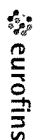
Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Phone		Kramer Jessica			890-827 2
Shipping/Receiving		E-Mail: Jessica.Kramer@eurofins.com	State of Origin	Page: Page 2 of 4	
Company: Eurofins Environment Testing South Center		Accreditations Required (See note): NELAP - Texas	New Mexico	Job #:	890-2490-1
Address: 1211 W Florida Ave		Due Date Requested: 7/8/2022	Preservation Codes		
City: Midland		TAT Requested (days)	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anion H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
State Zip: TX 79701		PO #:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylaldehyde U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		
Phone: 432-704-5440(Tel)		WO #:			
Email:		Project #:			
Project Name: NGL		SSOW#:			
Site:					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Inherent, Spiked, O-matrix, BT-Tissue, A=AP)
CS-65 3 (890-2490-10)		6/30/22	Mountain	Solid	Solid
CS-66 3 (890-2490-11)		6/30/22	Mountain	Solid	Solid
CS-67 3 (890-2490-12)		6/30/22	Mountain	Solid	Solid
CS-68 3 (890-2490-13)		6/30/22	Mountain	Solid	Solid
CS-69 3 (890-2490-14)		6/30/22	Mountain	Solid	Solid
CS-70 3 (890-2490-15)		6/30/22	Mountain	Solid	Solid
CS-71 3 (890-2490-16)		6/30/22	Mountain	Solid	Solid
CS-72 3 (890-2490-17)		6/30/22	Mountain	Solid	Solid
CS-73 3 (890-2490-18)		6/30/22	Mountain	Solid	Solid
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Center LLC places the ownership of method analysis & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Center LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Center, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Center LLC.					
Possible Hazard Identification		Field Filtered Sample (Yes or No)			
Unconfirmed		Perform MS/MSD (Yes or No)			
Deliverable Requested I II III IV Other (specify)		8021B/6035FP_Calc BTEX			
Empty Kit Relinquished by		Total_BTEX_GCV			
Relinquished by		8015MOD_Calc			
Relinquished by		8015MOD_NM/8015NM_S_Prep Full TPH			
Relinquished by		300_ORGFM_28D/DI_LEACH Chloride			
Custody Seals Intact		Total Number of containers			
Delta Yes Delta No		Special Instructions/Note:			
Custody Seal No					

Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)						Sampler		COC No.					
Shipping/Receiving						Phone	E-Mail	890-827 3					
Company Eurofins Environment Testing South Cent						Jessica Kramer@et.eurofinsus.com	New Mexico	Page 3 of 4					
Address: 1211 W Florida Ave						Dues Date Requested 7/8/2022		Job # 890-2490-1					
City Midland						TAT Requested (days):		Preservation Codes					
State Zip TX /9701								A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2SD3 G Amchlor S -H2SO4 H Ascorbic Acid T TSP Dodecylhydrate I Ice U - Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify) Other					
Email 432-704-5440(Tel)						WO #:							
Project Name: NGL						Project #: 88001091							
Site: 						SSOW#:							
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=semisolid, BT-Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note
CS-74 3 (890-2490-19)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-75 3 (890-2490-20)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-76 3 (890-2490-21)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-77 3 (890-2490-22)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-78 3 (890-2490-23)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-79 3 (890-2490-24)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-80 3 (890-2490-25)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
CS-81 3 (890-2490-26)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
SWM-1 4 5 (890-2490-27)						6/30/22	Mountain	Solid		X X X X X X	X X X X X X	1	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.													
Possible Hazard Identification													
Unconfirmed													
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank: 2													
Empty Kit Relinquished by _____ Date _____ Time _____ Method of Shipment: _____													
Relinquished by: CUE Date/Time: _____ Company: _____ Received by: J. Kramer Date/Time: _____ Company: _____													
Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____													
Cooler Temperature(s) °C and Other Remarks													
Custody Seals Intact: Δ Yes Δ No Custody Seal No													

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No									
Client Contact:		Phone	Kramer Jessica		890-8274									
Shipping/Receiving			Email: Jessica.Kramer@et.eurofins.com	State of Origin	Page: 4 of 4									
Company: Eurofins Environment Testing South Cent			Accreditations Required (See note): NE-LAP - Texas		Job #									
Address: 1211 W Florida Ave		Due Date Requested: 7/8/2022			890-2490-1									
City: Midland		TAT Requested (days):	Analysis Requested											
State, Zip: TX, 79701														
Phone: 432-704-5440(Tel)		PO #:												
Email:		WO #:												
Project Name: NGL		Project #:												
Site: SSOV#		88001091												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, C=chemical, B=biological, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5035FP_Calc BTEX		8015MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note
SW-2 4 5 (890-2490-28)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
SW-3 4 5 (890-2490-29)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
SW-4 2 5 (890-2490-30)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
SW-22 3 (890-2490-31)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
SW-23 3 (890-2490-32)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
SW-24 3 (890-2490-33)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
SW-25 3 (890-2490-34)		6/30/22	Mountain		Solid		X	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.														
Possible Hazard Identification														
Unconfirmed														
Deliverable Requested I II III IV Other (specify)														
Primary Deliverable Rank 2														
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months														
Special Instructions/QAC Requirements.														
Empty Kit Relinquished by:														
Relinquished by: Date/Time Company														
Relinquished by: Date/Time Company														
Relinquished by: Date/Time Company														
Custody Seals Intact Custody Seal No														
Cooler Temperature(s) °C and Other Remarks.														

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2490-1

SDG Number: 1028

Login Number: 2490

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2490-1

SDG Number: 1028

Login Number: 2490

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 07/05/22 09:17 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2497-1
Laboratory Sample Delivery Group: 1028
Client Project/Site: Cosmo Booster

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

Attn: Conner Moehring

Authorized for release by:
7/7/2022 1:09:00 PM

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

LINKS

Review your project
results through



Have a Question?



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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 890-2497-1
SDG: 1028

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	38
QC Sample Results	41
QC Association Summary	56
Lab Chronicle	67
Certification Summary	80
Method Summary	81
Sample Summary	82
Chain of Custody	83
Receipt Checklists	93

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
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: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Job ID: 890-2497-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2497-1

Receipt

The samples were received on 7/5/2022 8:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29023 and analytical batch 880-28982 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: The surrogate recovery for the blank associated with preparation batch 880-29092 and analytical batch 880-29115 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29078 and analytical batch 880-29098 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

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: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-8 2

Lab Sample ID: 890-2497-1

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 13:16	07/05/22 21:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 13:16	07/05/22 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/05/22 13:16	07/05/22 21:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/05/22 13:16	07/05/22 21:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 11:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 11:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/06/22 07:21	07/06/22 11:41	1
o-Terphenyl	102		70 - 130	07/06/22 07:21	07/06/22 11:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.04		mg/Kg			07/06/22 10:01	1

Client Sample ID: CS-9 2

Lab Sample ID: 890-2497-2

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 21:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 21:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 21:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 13:16	07/05/22 21:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 21:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 13:16	07/05/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/05/22 13:16	07/05/22 21:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-9 2

Lab Sample ID: 890-2497-2

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	07/05/22 13:16	07/05/22 21:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 12:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 12:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/06/22 07:21	07/06/22 12:46	1
o-Terphenyl	103		70 - 130				07/06/22 07:21	07/06/22 12:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.98		mg/Kg			07/06/22 10:55	1

Client Sample ID: CS-10 2

Lab Sample ID: 890-2497-3

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 13:16	07/05/22 21:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 21:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 13:16	07/05/22 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/05/22 13:16	07/05/22 21:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/05/22 13:16	07/05/22 21:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-10 2

Lab Sample ID: 890-2497-3

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 13:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 13:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/06/22 07:21	07/06/22 13:08	1
o-Terphenyl	104		70 - 130				07/06/22 07:21	07/06/22 13:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		5.00		mg/Kg			07/06/22 11:03	1

Client Sample ID: CS-11 2

Lab Sample ID: 890-2497-4

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:16	07/05/22 22:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:16	07/05/22 22:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:16	07/05/22 22:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 13:16	07/05/22 22:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:16	07/05/22 22:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 13:16	07/05/22 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/05/22 13:16	07/05/22 22:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/05/22 13:16	07/05/22 22:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 13:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 13:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/06/22 07:21	07/06/22 13:30	1
o-Terphenyl	104		70 - 130				07/06/22 07:21	07/06/22 13:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-11 2

Lab Sample ID: 890-2497-4

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		4.95		mg/Kg			07/06/22 11:11	1

Client Sample ID: CS-12 2

Lab Sample ID: 890-2497-5

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 22:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 13:16	07/05/22 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 22:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 13:16	07/05/22 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				07/05/22 13:16	07/05/22 22:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/05/22 13:16	07/05/22 22:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 13:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 13:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/06/22 07:21	07/06/22 13:51	1
o-Terphenyl	112		70 - 130				07/06/22 07:21	07/06/22 13:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.99		mg/Kg			07/06/22 11:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-13 2

Lab Sample ID: 890-2497-6

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 23:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 23:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 23:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 13:16	07/05/22 23:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:16	07/05/22 23:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 13:16	07/05/22 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/05/22 13:16	07/05/22 23:14	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/05/22 13:16	07/05/22 23:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	07/06/22 07:21	07/06/22 14:13	1
o-Terphenyl	102		70 - 130	07/06/22 07:21	07/06/22 14:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.98		mg/Kg			07/06/22 11:42	1

Client Sample ID: CS-14 2

Lab Sample ID: 890-2497-7

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:16	07/05/22 23:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:16	07/05/22 23:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:16	07/05/22 23:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/05/22 13:16	07/05/22 23:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:16	07/05/22 23:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/05/22 13:16	07/05/22 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/05/22 13:16	07/05/22 23:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-14 2

Lab Sample ID: 890-2497-7

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	07/05/22 13:16	07/05/22 23:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/06/22 07:21	07/06/22 14:34	1
o-Terphenyl	108		70 - 130				07/06/22 07:21	07/06/22 14:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.95		mg/Kg			07/06/22 11:50	1

Client Sample ID: CS-15 2

Lab Sample ID: 890-2497-8

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:16	07/06/22 00:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:16	07/06/22 00:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:16	07/06/22 00:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 13:16	07/06/22 00:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:16	07/06/22 00:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 13:16	07/06/22 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/05/22 13:16	07/06/22 00:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/05/22 13:16	07/06/22 00:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-15 2

Lab Sample ID: 890-2497-8

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/06/22 07:21	07/06/22 14:56	1
o-Terphenyl	101		70 - 130				07/06/22 07:21	07/06/22 14:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		4.95		mg/Kg			07/06/22 11:58	1

Client Sample ID: CS-16 2

Lab Sample ID: 890-2497-9

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 00:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 13:16	07/06/22 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 00:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 13:16	07/06/22 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				07/05/22 13:16	07/06/22 00:34	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/05/22 13:16	07/06/22 00:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 15:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 15:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/06/22 07:21	07/06/22 15:17	1
o-Terphenyl	103		70 - 130				07/06/22 07:21	07/06/22 15:17	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-16 2

Lab Sample ID: 890-2497-9

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		5.01		mg/Kg			07/06/22 12:06	1

Client Sample ID: CS-17 2

Lab Sample ID: 890-2497-10

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 01:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 01:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 01:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 13:16	07/06/22 01:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/06/22 01:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 13:16	07/06/22 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/05/22 13:16	07/06/22 01:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/05/22 13:16	07/06/22 01:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 15:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/06/22 07:21	07/06/22 15:39	1
o-Terphenyl	104		70 - 130				07/06/22 07:21	07/06/22 15:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.99		mg/Kg			07/06/22 12:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-18 2

Lab Sample ID: 890-2497-11

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:18	07/06/22 17:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:18	07/06/22 17:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:18	07/06/22 17:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/06/22 08:18	07/06/22 17:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:18	07/06/22 17:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/06/22 08:18	07/06/22 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/06/22 08:18	07/06/22 17:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/06/22 08:18	07/06/22 17:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 16:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 16:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/06/22 07:21	07/06/22 16:22	1
o-Terphenyl	103		70 - 130	07/06/22 07:21	07/06/22 16:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.97		mg/Kg			07/06/22 12:22	1

Client Sample ID: CS-19 2

Lab Sample ID: 890-2497-12

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:38	07/06/22 04:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:38	07/06/22 04:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:38	07/06/22 04:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 13:38	07/06/22 04:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:38	07/06/22 04:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 13:38	07/06/22 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/05/22 13:38	07/06/22 04:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-19 2

Lab Sample ID: 890-2497-12

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 13:38	07/06/22 04:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 16:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 16:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/06/22 07:21	07/06/22 16:44	1
o-Terphenyl	101		70 - 130				07/06/22 07:21	07/06/22 16:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.00		mg/Kg			07/06/22 12:45	1

Client Sample ID: CS-20 2

Lab Sample ID: 890-2497-13

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 04:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 04:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 04:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 13:38	07/06/22 04:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 04:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 13:38	07/06/22 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/05/22 13:38	07/06/22 04:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/05/22 13:38	07/06/22 04:32	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-20 2

Lab Sample ID: 890-2497-13

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/06/22 07:21	07/06/22 17:05	1
o-Terphenyl	102		70 - 130				07/06/22 07:21	07/06/22 17:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		4.99		mg/Kg			07/06/22 12:53	1

Client Sample ID: CS-21 2

Lab Sample ID: 890-2497-14

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:38	07/06/22 04:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:38	07/06/22 04:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:38	07/06/22 04:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 13:38	07/06/22 04:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:38	07/06/22 04:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 13:38	07/06/22 04:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/05/22 13:38	07/06/22 04:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/05/22 13:38	07/06/22 04:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 17:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 17:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/06/22 07:21	07/06/22 17:27	1
o-Terphenyl	98		70 - 130				07/06/22 07:21	07/06/22 17:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-21 2

Lab Sample ID: 890-2497-14

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.95		mg/Kg			07/06/22 13:17	1

Client Sample ID: CS-82 3

Lab Sample ID: 890-2497-15

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 13:38	07/06/22 05:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 13:38	07/06/22 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/05/22 13:38	07/06/22 05:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/05/22 13:38	07/06/22 05:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 17:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 17:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/06/22 07:21	07/06/22 17:49	1
o-Terphenyl	103		70 - 130				07/06/22 07:21	07/06/22 17:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.04		mg/Kg			07/06/22 13:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-113 2

Lab Sample ID: 890-2497-16

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:38	07/06/22 05:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:38	07/06/22 05:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:38	07/06/22 05:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/05/22 13:38	07/06/22 05:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/05/22 13:38	07/06/22 05:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/05/22 13:38	07/06/22 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/05/22 13:38	07/06/22 05:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/05/22 13:38	07/06/22 05:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 18:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/06/22 07:21	07/06/22 18:10	1
o-Terphenyl	100		70 - 130	07/06/22 07:21	07/06/22 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.97		mg/Kg			07/06/22 13:32	1

Client Sample ID: CS-114 2

Lab Sample ID: 890-2497-17

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 13:38	07/06/22 05:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:38	07/06/22 05:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 13:38	07/06/22 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	07/05/22 13:38	07/06/22 05:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-114 2

Lab Sample ID: 890-2497-17

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	07/05/22 13:38	07/06/22 05:54	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 18:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 18:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:21	07/06/22 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/06/22 07:21	07/06/22 18:32	1
o-Terphenyl	103		70 - 130				07/06/22 07:21	07/06/22 18:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.98		mg/Kg			07/06/22 13:40	1

Client Sample ID: CS-115 2

Lab Sample ID: 890-2497-18

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 13:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 13:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 13:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 13:34	07/06/22 13:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 13:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 13:34	07/06/22 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/05/22 13:34	07/06/22 13:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/05/22 13:34	07/06/22 13:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-115 2

Lab Sample ID: 890-2497-18

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 18:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 18:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/06/22 07:21	07/06/22 18:53	1
o-Terphenyl	112		70 - 130				07/06/22 07:21	07/06/22 18:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.95		mg/Kg			07/06/22 13:48	1

Client Sample ID: CS-116 2

Lab Sample ID: 890-2497-19

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:34	07/06/22 13:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:34	07/06/22 13:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:34	07/06/22 13:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/05/22 13:34	07/06/22 13:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/05/22 13:34	07/06/22 13:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/05/22 13:34	07/06/22 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/05/22 13:34	07/06/22 13:28	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/05/22 13:34	07/06/22 13:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 19:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 19:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:21	07/06/22 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/06/22 07:21	07/06/22 19:15	1
o-Terphenyl	103		70 - 130				07/06/22 07:21	07/06/22 19:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-116 2

Lab Sample ID: 890-2497-19

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.95		mg/Kg			07/06/22 13:56	1

Client Sample ID: CS-117 2

Lab Sample ID: 890-2497-20

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 13:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 13:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 13:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/05/22 13:34	07/06/22 13:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 13:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/05/22 13:34	07/06/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/05/22 13:34	07/06/22 13:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/05/22 13:34	07/06/22 13:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 19:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/06/22 07:21	07/06/22 19:37	1
o-Terphenyl	96		70 - 130				07/06/22 07:21	07/06/22 19:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		5.00		mg/Kg			07/06/22 14:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-118 2

Lab Sample ID: 890-2497-21

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 13:34	07/06/22 14:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 13:34	07/06/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/05/22 13:34	07/06/22 14:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/05/22 13:34	07/06/22 14:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/06/22 21:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/06/22 21:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/06/22 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	07/06/22 07:27	07/06/22 21:24	1
o-Terphenyl	105		70 - 130	07/06/22 07:27	07/06/22 21:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		5.00		mg/Kg			07/06/22 05:54	1

Client Sample ID: CS-119 2

Lab Sample ID: 890-2497-22

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/05/22 13:34	07/06/22 14:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/05/22 13:34	07/06/22 14:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/05/22 13:34	07/06/22 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/05/22 13:34	07/06/22 14:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-119 2

Lab Sample ID: 890-2497-22

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	07/05/22 13:34	07/06/22 14:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 22:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 22:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/06/22 07:27	07/06/22 22:29	1
o-Terphenyl	107		70 - 130				07/06/22 07:27	07/06/22 22:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		4.99		mg/Kg			07/06/22 06:21	1

Client Sample ID: CS-120 2

Lab Sample ID: 890-2497-23

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/05/22 13:34	07/06/22 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/05/22 13:34	07/06/22 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/05/22 13:34	07/06/22 14:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/05/22 13:34	07/06/22 14:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-120 2

Lab Sample ID: 890-2497-23

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 22:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 22:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/06/22 07:27	07/06/22 22:51	1
o-Terphenyl	102		70 - 130				07/06/22 07:27	07/06/22 22:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		4.95		mg/Kg			07/06/22 06:30	1

Client Sample ID: CS-121 2

Lab Sample ID: 890-2497-24

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/05/22 13:34	07/06/22 15:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/05/22 13:34	07/06/22 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/05/22 13:34	07/06/22 15:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/05/22 13:34	07/06/22 15:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/06/22 23:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/06/22 23:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/06/22 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/06/22 07:27	07/06/22 23:12	1
o-Terphenyl	107		70 - 130				07/06/22 07:27	07/06/22 23:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-121 2

Lab Sample ID: 890-2497-24

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.04		mg/Kg			07/06/22 06:40	1

Client Sample ID: CS-122 2

Lab Sample ID: 890-2497-25

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 15:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 15:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 15:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/05/22 13:34	07/06/22 15:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/05/22 13:34	07/06/22 15:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/05/22 13:34	07/06/22 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/05/22 13:34	07/06/22 15:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/05/22 13:34	07/06/22 15:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/06/22 23:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/06/22 23:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/06/22 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/06/22 07:27	07/06/22 23:34	1
o-Terphenyl	113		70 - 130				07/06/22 07:27	07/06/22 23:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		4.99		mg/Kg			07/06/22 06:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-123 2

Lab Sample ID: 890-2497-26

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 13:34	07/06/22 15:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 15:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 13:34	07/06/22 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/05/22 13:34	07/06/22 15:51	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/05/22 13:34	07/06/22 15:51	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/06/22 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/06/22 07:27	07/06/22 23:55	1
o-Terphenyl	107		70 - 130	07/06/22 07:27	07/06/22 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		4.97		mg/Kg			07/06/22 07:16	1

Client Sample ID: CS-124 2

Lab Sample ID: 890-2497-27

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 16:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 16:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 16:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 13:34	07/06/22 16:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 16:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 13:34	07/06/22 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/05/22 13:34	07/06/22 16:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-124 2

Lab Sample ID: 890-2497-27

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	07/05/22 13:34	07/06/22 16:11	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/06/22 07:27	07/07/22 00:16	1
o-Terphenyl	108		70 - 130				07/06/22 07:27	07/07/22 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		5.00		mg/Kg			07/06/22 07:26	1

Client Sample ID: CS-125 2

Lab Sample ID: 890-2497-28

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 00:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 00:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/06/22 08:22	07/07/22 00:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 00:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/06/22 08:22	07/07/22 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	07/06/22 08:22	07/07/22 00:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/06/22 08:22	07/07/22 00:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-125 2

Lab Sample ID: 890-2497-28

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 00:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 00:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/06/22 07:27	07/07/22 00:37	1
o-Terphenyl	107		70 - 130				07/06/22 07:27	07/07/22 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		4.96		mg/Kg			07/06/22 07:35	1

Client Sample ID: CS-126 2

Lab Sample ID: 890-2497-29

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 01:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 01:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 01:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/06/22 08:22	07/07/22 01:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 01:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/06/22 08:22	07/07/22 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/06/22 08:22	07/07/22 01:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/06/22 08:22	07/07/22 01:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/06/22 07:27	07/07/22 00:58	1
o-Terphenyl	110		70 - 130				07/06/22 07:27	07/07/22 00:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-126 2

Lab Sample ID: 890-2497-29

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.95		mg/Kg			07/06/22 07:44	1

Client Sample ID: CS-127 2

Lab Sample ID: 890-2497-30

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 01:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/06/22 08:22	07/07/22 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 01:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/06/22 08:22	07/07/22 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/06/22 08:22	07/07/22 01:26	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/06/22 08:22	07/07/22 01:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/06/22 07:27	07/07/22 01:19	1
o-Terphenyl	109		70 - 130				07/06/22 07:27	07/07/22 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.01		mg/Kg			07/06/22 07:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-5 2

Lab Sample ID: 890-2497-31

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 01:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 01:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 01:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/06/22 08:22	07/07/22 01:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 01:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/06/22 08:22	07/07/22 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	07/06/22 08:22	07/07/22 01:47	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/06/22 08:22	07/07/22 01:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 02:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 02:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	07/06/22 07:27	07/07/22 02:01	1
o-Terphenyl	107		70 - 130	07/06/22 07:27	07/07/22 02:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		4.98		mg/Kg			07/06/22 08:02	1

Client Sample ID: SW-6 2

Lab Sample ID: 890-2497-32

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/06/22 08:22	07/07/22 02:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/06/22 08:22	07/07/22 02:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/06/22 08:22	07/07/22 02:07	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/06/22 08:22	07/07/22 02:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/06/22 08:22	07/07/22 02:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/06/22 08:22	07/07/22 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/06/22 08:22	07/07/22 02:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-6 2

Lab Sample ID: 890-2497-32

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	07/06/22 08:22	07/07/22 02:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 02:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 02:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 02:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/06/22 07:27	07/07/22 02:21	1
o-Terphenyl	108		70 - 130				07/06/22 07:27	07/07/22 02:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		5.05		mg/Kg			07/06/22 08:30	1

Client Sample ID: SW-7 2.5

Lab Sample ID: 890-2497-33

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 02:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 02:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 02:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/06/22 08:22	07/07/22 02:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 02:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/06/22 08:22	07/07/22 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/06/22 08:22	07/07/22 02:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/06/22 08:22	07/07/22 02:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-7 2.5

Lab Sample ID: 890-2497-33

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 02:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 02:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/06/22 07:27	07/07/22 02:43	1
o-Terphenyl	115		70 - 130				07/06/22 07:27	07/07/22 02:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.97		mg/Kg			07/06/22 08:39	1

Client Sample ID: SW-26 1

Lab Sample ID: 890-2497-34

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 02:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 02:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 02:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/06/22 08:22	07/07/22 02:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 02:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/06/22 08:22	07/07/22 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/06/22 08:22	07/07/22 02:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/06/22 08:22	07/07/22 02:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 03:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 03:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/06/22 07:27	07/07/22 03:04	1
o-Terphenyl	107		70 - 130				07/06/22 07:27	07/07/22 03:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-26 1

Lab Sample ID: 890-2497-34

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		4.95		mg/Kg			07/06/22 09:07	1

Client Sample ID: SW-38 2

Lab Sample ID: 890-2497-35

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/06/22 08:22	07/07/22 03:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/06/22 08:22	07/07/22 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/06/22 08:22	07/07/22 03:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/06/22 08:22	07/07/22 03:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/06/22 07:27	07/07/22 03:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/06/22 07:27	07/07/22 03:24	1
o-Terphenyl	121		70 - 130				07/06/22 07:27	07/07/22 03:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		5.00		mg/Kg			07/06/22 09:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-39 2

Lab Sample ID: 890-2497-36

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 03:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 03:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 03:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/06/22 08:22	07/07/22 03:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/06/22 08:22	07/07/22 03:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/06/22 08:22	07/07/22 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/06/22 08:22	07/07/22 03:29	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/06/22 08:22	07/07/22 03:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 03:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 03:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/06/22 07:27	07/07/22 03:46	1
o-Terphenyl	111		70 - 130	07/06/22 07:27	07/07/22 03:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.01		mg/Kg			07/06/22 09:25	1

Client Sample ID: SW-40 2

Lab Sample ID: 890-2497-37

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/06/22 08:22	07/07/22 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 03:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/06/22 08:22	07/07/22 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	07/06/22 08:22	07/07/22 03:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-40 2

Lab Sample ID: 890-2497-37

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	07/06/22 08:22	07/07/22 03:49	1

Method: 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			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/06/22 07:27	07/07/22 04:07	1
o-Terphenyl	105		70 - 130				07/06/22 07:27	07/07/22 04:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		4.99		mg/Kg			07/06/22 09:35	1

Client Sample ID: SW-41 2

Lab Sample ID: 890-2497-38

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/06/22 08:22	07/07/22 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/06/22 08:22	07/07/22 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/06/22 08:22	07/07/22 05:39	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/06/22 08:22	07/07/22 05:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-41 2

Lab Sample ID: 890-2497-38

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/06/22 07:27	07/07/22 04:27	1
o-Terphenyl	105		70 - 130				07/06/22 07:27	07/07/22 04:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	238		4.95		mg/Kg			07/06/22 09:44	1

Client Sample ID: SW-42 2.5

Lab Sample ID: 890-2497-39

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 05:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 05:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 05:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/06/22 08:22	07/07/22 05:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/06/22 08:22	07/07/22 05:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/06/22 08:22	07/07/22 05:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/06/22 08:22	07/07/22 05:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/06/22 08:22	07/07/22 05:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/07/22 04:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/06/22 07:27	07/07/22 04:49	1
o-Terphenyl	106		70 - 130				07/06/22 07:27	07/07/22 04:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-42 2.5

Lab Sample ID: 890-2497-39

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		5.05		mg/Kg			07/06/22 09:53	1

Client Sample ID: SW-60 2

Lab Sample ID: 890-2497-40

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 06:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 06:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 06:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/06/22 08:22	07/07/22 06:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/06/22 08:22	07/07/22 06:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/06/22 08:22	07/07/22 06:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				07/06/22 08:22	07/07/22 06:20	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/06/22 08:22	07/07/22 06:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 05:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 05:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/06/22 07:27	07/07/22 05:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				07/06/22 07:27	07/07/22 05:09	1
o-Terphenyl	123		70 - 130				07/06/22 07:27	07/07/22 05:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		4.97		mg/Kg			07/06/22 10:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-61 2

Lab Sample ID: 890-2497-41

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 06:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 06:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 06:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/06/22 08:22	07/07/22 06:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 06:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/06/22 08:22	07/07/22 06:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/06/22 08:22	07/07/22 06:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/06/22 08:22	07/07/22 06:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/06/22 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/07/22 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/05/22 16:26	07/06/22 02:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/05/22 16:26	07/06/22 02:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/05/22 16:26	07/06/22 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	07/05/22 16:26	07/06/22 02:53	1
o-Terphenyl	82		70 - 130	07/05/22 16:26	07/06/22 02:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		4.95		mg/Kg			07/06/22 12:03	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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)
890-2462-A-5-E MS	Matrix Spike	105	110
890-2462-A-5-F MSD	Matrix Spike Duplicate	97	96
890-2490-A-21-D MS	Matrix Spike	114	99
890-2490-A-21-E MSD	Matrix Spike Duplicate	114	101
890-2497-1	CS-8 2	99	98
890-2497-2	CS-9 2	105	97
890-2497-3	CS-10 2	107	96
890-2497-4	CS-11 2	102	95
890-2497-5	CS-12 2	111	97
890-2497-6	CS-13 2	102	100
890-2497-7	CS-14 2	111	98
890-2497-8	CS-15 2	108	97
890-2497-9	CS-16 2	91	91
890-2497-10	CS-17 2	103	98
890-2497-11	CS-18 2	110	99
890-2497-12	CS-19 2	113	94
890-2497-13	CS-20 2	113	95
890-2497-14	CS-21 2	114	93
890-2497-15	CS-82 3	113	94
890-2497-16	CS-113 2	112	90
890-2497-17	CS-114 2	111	92
890-2497-18	CS-115 2	116	95
890-2497-18 MS	CS-115 2	117	88
890-2497-18 MSD	CS-115 2	113	101
890-2497-19	CS-116 2	118	103
890-2497-20	CS-117 2	116	100
890-2497-21	CS-118 2	116	101
890-2497-22	CS-119 2	116	98
890-2497-23	CS-120 2	121	100
890-2497-24	CS-121 2	116	96
890-2497-25	CS-122 2	118	103
890-2497-26	CS-123 2	122	100
890-2497-27	CS-124 2	114	103
890-2497-28	CS-125 2	118	99
890-2497-28 MS	CS-125 2	119	97
890-2497-28 MSD	CS-125 2	113	97
890-2497-29	CS-126 2	122	99
890-2497-30	CS-127 2	116	97
890-2497-31	SW-5 2	128	95
890-2497-32	SW-6 2	115	91
890-2497-33	SW-7 2.5	116	95
890-2497-34	SW-26 1	119	99
890-2497-35	SW-38 2	112	89
890-2497-36	SW-39 2	116	100
890-2497-37	SW-40 2	123	95
890-2497-38	SW-41 2	115	97
890-2497-39	SW-42 2.5	115	97
890-2497-40	SW-60 2	118	96
890-2497-41	SW-61 2	115	96

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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)
890-2500-A-11-E MS	Matrix Spike	105	102
890-2500-A-11-F MSD	Matrix Spike Duplicate	110	101
LCS 880-29023/1-A	Lab Control Sample	113	101
LCS 880-29033/1-A	Lab Control Sample	103	108
LCS 880-29048/1-A	Lab Control Sample	113	104
LCS 880-29102/1-A	Lab Control Sample	110	103
LCS 880-29103/1-A	Lab Control Sample	108	97
LCSD 880-29023/2-A	Lab Control Sample Dup	113	102
LCSD 880-29033/2-A	Lab Control Sample Dup	102	98
LCSD 880-29048/2-A	Lab Control Sample Dup	112	104
LCSD 880-29102/2-A	Lab Control Sample Dup	106	102
LCSD 880-29103/2-A	Lab Control Sample Dup	109	94
MB 880-28998/5-A	Method Blank	103	92
MB 880-29023/5-A	Method Blank	98	89
MB 880-29033/5-A	Method Blank	73	90
MB 880-29048/5-A	Method Blank	103	94
MB 880-29102/5-A	Method Blank	99	90
MB 880-29103/5-A	Method Blank	103	95
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)
890-2497-1	CS-8 2	94	102
890-2497-2	CS-9 2	96	103
890-2497-3	CS-10 2	97	104
890-2497-4	CS-11 2	95	104
890-2497-5	CS-12 2	103	112
890-2497-6	CS-13 2	94	102
890-2497-7	CS-14 2	98	108
890-2497-8	CS-15 2	96	101
890-2497-9	CS-16 2	96	103
890-2497-10	CS-17 2	98	104
890-2497-11	CS-18 2	98	103
890-2497-12	CS-19 2	94	101
890-2497-13	CS-20 2	95	102
890-2497-14	CS-21 2	91	98
890-2497-15	CS-82 3	95	103
890-2497-16	CS-113 2	93	100
890-2497-17	CS-114 2	97	103
890-2497-18	CS-115 2	107	112
890-2497-19	CS-116 2	95	103
890-2497-20	CS-117 2	90	96
890-2497-21	CS-118 2	98	105
890-2497-21 MS	CS-118 2	117	117

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-2497-1

Project/Site: Cosmo Booster

SDG: 1028

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)
890-2497-21 MSD	CS-118 2	102	101
890-2497-22	CS-119 2	97	107
890-2497-23	CS-120 2	95	102
890-2497-24	CS-121 2	103	107
890-2497-25	CS-122 2	108	113
890-2497-26	CS-123 2	100	107
890-2497-27	CS-124 2	99	108
890-2497-28	CS-125 2	99	107
890-2497-29	CS-126 2	103	110
890-2497-30	CS-127 2	101	109
890-2497-31	SW-5 2	99	107
890-2497-32	SW-6 2	99	108
890-2497-33	SW-7 2.5	109	115
890-2497-34	SW-26 1	100	107
890-2497-35	SW-38 2	114	121
890-2497-36	SW-39 2	103	111
890-2497-37	SW-40 2	96	105
890-2497-38	SW-41 2	97	105
890-2497-39	SW-42 2.5	98	106
890-2497-40	SW-60 2	116	123
890-2497-41	SW-61 2	81	82
890-2497-A-1-F MS	890-2497-A-1-F MS	102	106
890-2497-A-1-G MSD	890-2497-A-1-G MSD	103	109
890-2500-A-1-G MS	Matrix Spike	87	82
890-2500-A-1-H MSD	Matrix Spike Duplicate	113	100
LCS 880-29078/2-A	Lab Control Sample	85	96
LCS 880-29091/2-A	Lab Control Sample	101	109
LCS 880-29092/2-A	Lab Control Sample	105	115
LCSD 880-29078/3-A	Lab Control Sample Dup	87	99
LCSD 880-29091/3-A	Lab Control Sample Dup	115	122
LCSD 880-29092/3-A	Lab Control Sample Dup	91	100
MB 880-29078/1-A	Method Blank	123	141 S1+
MB 880-29091/1-A	Method Blank	109	129
MB 880-29092/1-A	Method Blank	115	132 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28998/5-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 09:54	07/05/22 11:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 09:54	07/05/22 11:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/05/22 09:54	07/05/22 11:23	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/05/22 09:54	07/05/22 11:23	1

Lab Sample ID: MB 880-29023/5-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 11:38	07/05/22 22:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 11:38	07/05/22 22:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/05/22 11:38	07/05/22 22:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/05/22 11:38	07/05/22 22:00	1

Lab Sample ID: LCS 880-29023/1-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09001		mg/Kg		90	70 - 130
Toluene	0.100	0.08739		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09257		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1934		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09702		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-29023/2-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09814		mg/Kg		98	70 - 130	9	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: LCSD 880-29023/2-A

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09405		mg/Kg		94	70 - 130	7	35
Ethylbenzene	0.100	0.1001		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2072		mg/Kg		104	70 - 130	7	35
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2490-A-21-D MS

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.101	0.08708		mg/Kg		86	70 - 130
Toluene	<0.00202	U F1	0.101	0.08538		mg/Kg		85	70 - 130
Ethylbenzene	<0.00202	U F1 F2	0.101	0.08858		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.202	0.1820		mg/Kg		90	70 - 130
o-Xylene	<0.00202	U F1 F2	0.101	0.09001		mg/Kg		89	70 - 130

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

Lab Sample ID: 890-2490-A-21-E MSD

Matrix: Solid

Analysis Batch: 28982

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0994	0.06715	F1	mg/Kg		68	70 - 130	26	35
Toluene	<0.00202	U F1	0.0994	0.06334	F1	mg/Kg		64	70 - 130	30	35
Ethylbenzene	<0.00202	U F1 F2	0.0994	0.06096	F1 F2	mg/Kg		61	70 - 130	37	35
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.199	0.1248	F1 F2	mg/Kg		63	70 - 130	37	35
o-Xylene	<0.00202	U F1 F2	0.0994	0.06218	F1 F2	mg/Kg		63	70 - 130	37	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-29033/5-A

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 14:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 13:16	07/05/22 14:50	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: MB 880-29033/5-A

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:16	07/05/22 14:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 13:16	07/05/22 14:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	07/05/22 13:16	07/05/22 14:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/05/22 13:16	07/05/22 14:50	1

Lab Sample ID: LCS 880-29033/1-A

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	0.100	0.08966		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08674		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1776		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09735		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-29033/2-A

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29033

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07970		mg/Kg		80	70 - 130	23	35
Toluene	0.100	0.08092		mg/Kg		81	70 - 130	10	35
Ethylbenzene	0.100	0.07745		mg/Kg		77	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1590		mg/Kg		80	70 - 130	11	35
o-Xylene	0.100	0.08768		mg/Kg		88	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-2462-A-5-E MS

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1054		mg/Kg		104	70 - 130
Toluene	<0.00199	U	0.101	0.09082		mg/Kg		89	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08420		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1711		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.101	0.09733		mg/Kg		96	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: 890-2462-A-5-E MS

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29033

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-2462-A-5-F MSD

Matrix: Solid

Analysis Batch: 28985

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29033

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08774		mg/Kg		88	70 - 130	18	35
Toluene	<0.00199	U	0.100	0.08635		mg/Kg		86	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.08359		mg/Kg		83	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1715		mg/Kg		86	70 - 130	0	35
o-Xylene	<0.00199	U	0.100	0.09489		mg/Kg		95	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-29048/5-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 12:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 12:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 12:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/05/22 13:34	07/06/22 12:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/05/22 13:34	07/06/22 12:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/05/22 13:34	07/06/22 12:38	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	103		70 - 130	07/05/22 13:34	07/06/22 12:38	1			
1,4-Difluorobenzene (Surr)	94		70 - 130	07/05/22 13:34	07/06/22 12:38	1			

Lab Sample ID: LCS 880-29048/1-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.1140		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.09745		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1975		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: LCS 880-29048/1-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29048

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

Lab Sample ID: LCSD 880-29048/2-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29048

			Spike	LCSD	LCSD						RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene			0.100	0.1084		mg/Kg		108	70 - 130	6	35
Toluene			0.100	0.1088		mg/Kg		109	70 - 130	5	35
Ethylbenzene			0.100	0.09420		mg/Kg		94	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1925		mg/Kg		96	70 - 130	3	35
o-Xylene			0.100	0.1098		mg/Kg		110	70 - 130	3	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-2497-18 MS

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: CS-115 2

Prep Type: Total/NA

Prep Batch: 29048

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.101	0.08092		mg/Kg		80	70 - 130	
Toluene	<0.00201	U	0.101	0.09890		mg/Kg		98	70 - 130	
Ethylbenzene	<0.00201	U	0.101	0.08695		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1775		mg/Kg		88	70 - 130	
o-Xylene	<0.00201	U	0.101	0.1012		mg/Kg		100	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 890-2497-18 MSD

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: CS-115 2

Prep Type: Total/NA

Prep Batch: 29048

	Sample	Sample	Spike	MSD	MSD			%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.09817		mg/Kg		98	70 - 130	19	35
Toluene	<0.00201	U	0.100	0.1032		mg/Kg		103	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.100	0.08557		mg/Kg		85	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1738		mg/Kg		87	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09878		mg/Kg		99	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: MB 880-29102/5-A

Matrix: Solid

Analysis Batch: 29108

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:18	07/06/22 13:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:18	07/06/22 13:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:18	07/06/22 13:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/06/22 08:18	07/06/22 13:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:18	07/06/22 13:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/06/22 08:18	07/06/22 13:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/06/22 08:18	07/06/22 13:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/06/22 08:18	07/06/22 13:22	1

Lab Sample ID: LCS 880-29102/1-A

Matrix: Solid

Analysis Batch: 29108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1131		mg/Kg		113	70 - 130
Toluene	0.100	0.1099		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2342		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-29102/2-A

Matrix: Solid

Analysis Batch: 29108

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29102

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09789		mg/Kg		98	70 - 130	14	35
Toluene	0.100	0.09411		mg/Kg		94	70 - 130	15	35
Ethylbenzene	0.100	0.09726		mg/Kg		97	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	15	35
o-Xylene	0.100	0.09935		mg/Kg		99	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2500-A-11-E MS

Matrix: Solid

Analysis Batch: 29108

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1055		mg/Kg		105	70 - 130
Toluene	<0.00199	U	0.100	0.1022		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: 890-2500-A-11-E MS

Matrix: Solid

Analysis Batch: 29108

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.1053		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2156		mg/Kg		108	70 - 130
o-Xylene	<0.00199	U	0.100	0.1068		mg/Kg		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2500-A-11-F MSD

Matrix: Solid

Analysis Batch: 29108

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29102

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1154		mg/Kg		115	70 - 130	9	35
Toluene	<0.00199	U	0.101	0.1137		mg/Kg		112	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.101	0.1186		mg/Kg		118	70 - 130	12	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2435		mg/Kg		121	70 - 130	12	35
o-Xylene	<0.00199	U	0.101	0.1215		mg/Kg		121	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-29103/5-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 00:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 00:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 00:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/06/22 08:22	07/07/22 00:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/06/22 08:22	07/07/22 00:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/06/22 08:22	07/07/22 00:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/06/22 08:22	07/07/22 00:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/06/22 08:22	07/07/22 00:17	1

Lab Sample ID: LCS 880-29103/1-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08513		mg/Kg		85	70 - 130
Toluene	0.100	0.09781		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.08309		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1704		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: LCS 880-29103/1-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09824		mg/Kg		98	70 - 130

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

Lab Sample ID: LCSD 880-29103/2-A

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08785		mg/Kg		88	70 - 130	3	35
Toluene	0.100	0.1022		mg/Kg		102	70 - 130	4	35
Ethylbenzene	0.100	0.08832		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130	6	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2497-28 MS

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: CS-125 2

Prep Type: Total/NA

Prep Batch: 29103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.09464		mg/Kg		94	70 - 130
Toluene	<0.00199	U	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09784		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2030		mg/Kg		101	70 - 130
o-Xylene	<0.00199	U	0.100	0.1165		mg/Kg		116	70 - 130

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

Lab Sample ID: 890-2497-28 MSD

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: CS-125 2

Prep Type: Total/NA

Prep Batch: 29103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09288		mg/Kg		92	70 - 130	2	35
Toluene	<0.00199	U	0.101	0.1049		mg/Kg		104	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.101	0.09139		mg/Kg		90	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1877		mg/Kg		93	70 - 130	8	35
o-Xylene	<0.00199	U	0.101	0.1082		mg/Kg		107	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: 890-2497-28 MSD

Matrix: Solid

Analysis Batch: 29109

Client Sample ID: CS-125 2

Prep Type: Total/NA

Prep Batch: 29103

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-29078/1-A

Matrix: Solid

Analysis Batch: 29098

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29078

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/05/22 16:26	07/05/22 17:50	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/05/22 16:26	07/05/22 17:50	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/05/22 16:26	07/05/22 17:50	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	123		70 - 130				07/05/22 16:26	07/05/22 17:50	1	
o-Terphenyl	141	S1+	70 - 130				07/05/22 16:26	07/05/22 17:50	1	

Lab Sample ID: LCS 880-29078/2-A

Matrix: Solid

Analysis Batch: 29098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29078

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	969.0		mg/Kg		97	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	865.1		mg/Kg		87	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	85		70 - 130							
o-Terphenyl	96		70 - 130							

Lab Sample ID: LCSD 880-29078/3-A

Matrix: Solid

Analysis Batch: 29098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29078

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	993.7		mg/Kg		99	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)			1000	895.8		mg/Kg		90	70 - 130	3	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	87		70 - 130									
o-Terphenyl	99		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: 890-2500-A-1-G MS

Matrix: Solid

Analysis Batch: 29098

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29078

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 F2	998	860.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F2	998	822.4		mg/Kg		81	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	82		70 - 130						

Lab Sample ID: 890-2500-A-1-H MSD

Matrix: Solid

Analysis Batch: 29098

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29078

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 F2	999	1105	F2	mg/Kg		111	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<50.0	U F2	999	1053	F2	mg/Kg		104	70 - 130	25	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: MB 880-29091/1-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 10:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 10:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:21	07/06/22 10:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				07/06/22 07:21	07/06/22 10:36	1
o-Terphenyl	129		70 - 130				07/06/22 07:21	07/06/22 10:36	1

Lab Sample ID: LCS 880-29091/2-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1081		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: LCS 880-29091/2-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29091

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-29091/3-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29091

	Spike	LCSD	LCSD						%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1255		mg/Kg		125	70 - 130	16	20		
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130	5	20		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 890-2497-A-1-F MS

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: 890-2497-A-1-F MS

Prep Type: Total/NA

Prep Batch: 29091

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	5.477		999	1054		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	27.26		999	920.5		mg/Kg		89	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 890-2497-A-1-G MSD

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: 890-2497-A-1-G MSD

Prep Type: Total/NA

Prep Batch: 29091

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	5.477		998	1167		mg/Kg		117	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	27.26		998	933.3		mg/Kg		91	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	109		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: MB 880-29092/1-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/06/22 20:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/06/22 20:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/06/22 07:27	07/06/22 20:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/06/22 07:27	07/06/22 20:19	1
o-Terphenyl	132	S1+	70 - 130				07/06/22 07:27	07/06/22 20:19	1

Lab Sample ID: LCS 880-29092/2-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1192		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	985.7		mg/Kg		99	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	105		70 - 130				
o-Terphenyl	115		70 - 130				

Lab Sample ID: LCSD 880-29092/3-A

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29092

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1113		mg/Kg		111	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	932.9		mg/Kg		93	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	100		70 - 130						

Lab Sample ID: 890-2497-21 MS

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: CS-118 2

Prep Type: Total/NA

Prep Batch: 29092

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	996	1100		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1055		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Lab Sample ID: 890-2497-21 MS

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: CS-118 2

Prep Type: Total/NA

Prep Batch: 29092

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 890-2497-21 MSD

Matrix: Solid

Analysis Batch: 29115

Client Sample ID: CS-118 2

Prep Type: Total/NA

Prep Batch: 29092

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	967.7		mg/Kg		97	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	926.1		mg/Kg		90	70 - 130	13	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	101		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29063/1-A

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/06/22 05:26	1

Lab Sample ID: LCS 880-29063/2-A

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	238.7		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-29063/3-A

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

				Spike	LCSD	LCSD					RPD	
Analyte				Added	Result	Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride				250	240.7		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-2497-21 MS

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: CS-118 2

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	147		250	389.1		mg/Kg		97	90 - 110	

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2497-21 MSD

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: CS-118 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	147		250	391.4		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-2497-31 MS

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: SW-5 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	220		249	483.8		mg/Kg		106	90 - 110		

Lab Sample ID: 890-2497-31 MSD

Matrix: Solid

Analysis Batch: 29104

Client Sample ID: SW-5 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	220		249	467.5		mg/Kg		99	90 - 110	3	20

Lab Sample ID: MB 880-29062/1-A

Matrix: Solid

Analysis Batch: 29105

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			07/06/22 09:37	1

Lab Sample ID: LCS 880-29062/2-A

Matrix: Solid

Analysis Batch: 29105

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	249.6		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-29062/3-A

Matrix: Solid

Analysis Batch: 29105

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	250.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-2497-1 MS

Matrix: Solid

Analysis Batch: 29105

Client Sample ID: CS-8 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	149		252	411.2		mg/Kg		104	90 - 110		

Lab Sample ID: 890-2497-1 MSD

Matrix: Solid

Analysis Batch: 29105

Client Sample ID: CS-8 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	149		252	411.4		mg/Kg		104	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2497-11 MS

Matrix: Solid

Analysis Batch: 29105

Client Sample ID: CS-18 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	106		249	371.4		mg/Kg		107	90 - 110

Lab Sample ID: 890-2497-11 MSD

Matrix: Solid

Analysis Batch: 29105

Client Sample ID: CS-18 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	106		249	371.4		mg/Kg		107	90 - 110	0	20

Lab Sample ID: MB 880-29064/1-A

Matrix: Solid

Analysis Batch: 29120

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			07/06/22 11:35	1

Lab Sample ID: LCS 880-29064/2-A

Matrix: Solid

Analysis Batch: 29120

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.2		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-29064/3-A

Matrix: Solid

Analysis Batch: 29120

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	232.1		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 890-2497-41 MS

Matrix: Solid

Analysis Batch: 29120

Client Sample ID: SW-61 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	282		248	523.2		mg/Kg		98	90 - 110

Lab Sample ID: 890-2497-41 MSD

Matrix: Solid

Analysis Batch: 29120

Client Sample ID: SW-61 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	282		248	516.8		mg/Kg		95	90 - 110	1	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC VOA

Analysis Batch: 28982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-12	CS-19 2	Total/NA	Solid	8021B	29023
890-2497-13	CS-20 2	Total/NA	Solid	8021B	29023
890-2497-14	CS-21 2	Total/NA	Solid	8021B	29023
890-2497-15	CS-82 3	Total/NA	Solid	8021B	29023
890-2497-16	CS-113 2	Total/NA	Solid	8021B	29023
890-2497-17	CS-114 2	Total/NA	Solid	8021B	29023
MB 880-28998/5-A	Method Blank	Total/NA	Solid	8021B	28998
MB 880-29023/5-A	Method Blank	Total/NA	Solid	8021B	29023
LCS 880-29023/1-A	Lab Control Sample	Total/NA	Solid	8021B	29023
LCSD 880-29023/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29023
890-2490-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	29023
890-2490-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29023

Analysis Batch: 28985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Total/NA	Solid	8021B	29033
890-2497-2	CS-9 2	Total/NA	Solid	8021B	29033
890-2497-3	CS-10 2	Total/NA	Solid	8021B	29033
890-2497-4	CS-11 2	Total/NA	Solid	8021B	29033
890-2497-5	CS-12 2	Total/NA	Solid	8021B	29033
890-2497-6	CS-13 2	Total/NA	Solid	8021B	29033
890-2497-7	CS-14 2	Total/NA	Solid	8021B	29033
890-2497-8	CS-15 2	Total/NA	Solid	8021B	29033
890-2497-9	CS-16 2	Total/NA	Solid	8021B	29033
890-2497-10	CS-17 2	Total/NA	Solid	8021B	29033
MB 880-29033/5-A	Method Blank	Total/NA	Solid	8021B	29033
LCS 880-29033/1-A	Lab Control Sample	Total/NA	Solid	8021B	29033
LCSD 880-29033/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29033
890-2462-A-5-E MS	Matrix Spike	Total/NA	Solid	8021B	29033
890-2462-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29033

Prep Batch: 28998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28998/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 29023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-12	CS-19 2	Total/NA	Solid	5035	
890-2497-13	CS-20 2	Total/NA	Solid	5035	
890-2497-14	CS-21 2	Total/NA	Solid	5035	
890-2497-15	CS-82 3	Total/NA	Solid	5035	
890-2497-16	CS-113 2	Total/NA	Solid	5035	
890-2497-17	CS-114 2	Total/NA	Solid	5035	
MB 880-29023/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29023/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29023/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2490-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2490-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC VOA

Prep Batch: 29033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Total/NA	Solid	5035	
890-2497-2	CS-9 2	Total/NA	Solid	5035	
890-2497-3	CS-10 2	Total/NA	Solid	5035	
890-2497-4	CS-11 2	Total/NA	Solid	5035	
890-2497-5	CS-12 2	Total/NA	Solid	5035	
890-2497-6	CS-13 2	Total/NA	Solid	5035	
890-2497-7	CS-14 2	Total/NA	Solid	5035	
890-2497-8	CS-15 2	Total/NA	Solid	5035	
890-2497-9	CS-16 2	Total/NA	Solid	5035	
890-2497-10	CS-17 2	Total/NA	Solid	5035	
MB 880-29033/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29033/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29033/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2462-A-5-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2462-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 29048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-18	CS-115 2	Total/NA	Solid	5035	
890-2497-19	CS-116 2	Total/NA	Solid	5035	
890-2497-20	CS-117 2	Total/NA	Solid	5035	
890-2497-21	CS-118 2	Total/NA	Solid	5035	
890-2497-22	CS-119 2	Total/NA	Solid	5035	
890-2497-23	CS-120 2	Total/NA	Solid	5035	
890-2497-24	CS-121 2	Total/NA	Solid	5035	
890-2497-25	CS-122 2	Total/NA	Solid	5035	
890-2497-26	CS-123 2	Total/NA	Solid	5035	
890-2497-27	CS-124 2	Total/NA	Solid	5035	
MB 880-29048/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29048/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29048/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2497-18 MS	CS-115 2	Total/NA	Solid	5035	
890-2497-18 MSD	CS-115 2	Total/NA	Solid	5035	

Prep Batch: 29102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-11	CS-18 2	Total/NA	Solid	5035	
MB 880-29102/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29102/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29102/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2500-A-11-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2500-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 29103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-28	CS-125 2	Total/NA	Solid	5035	
890-2497-29	CS-126 2	Total/NA	Solid	5035	
890-2497-30	CS-127 2	Total/NA	Solid	5035	
890-2497-31	SW-5 2	Total/NA	Solid	5035	
890-2497-32	SW-6 2	Total/NA	Solid	5035	
890-2497-33	SW-7 2.5	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC VOA (Continued)

Prep Batch: 29103 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-34	SW-26 1	Total/NA	Solid	5035	
890-2497-35	SW-38 2	Total/NA	Solid	5035	
890-2497-36	SW-39 2	Total/NA	Solid	5035	
890-2497-37	SW-40 2	Total/NA	Solid	5035	
890-2497-38	SW-41 2	Total/NA	Solid	5035	
890-2497-39	SW-42 2.5	Total/NA	Solid	5035	
890-2497-40	SW-60 2	Total/NA	Solid	5035	
890-2497-41	SW-61 2	Total/NA	Solid	5035	
MB 880-29103/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29103/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29103/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2497-28 MS	CS-125 2	Total/NA	Solid	5035	
890-2497-28 MSD	CS-125 2	Total/NA	Solid	5035	

Analysis Batch: 29108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-11	CS-18 2	Total/NA	Solid	8021B	29102
MB 880-29102/5-A	Method Blank	Total/NA	Solid	8021B	29102
LCS 880-29102/1-A	Lab Control Sample	Total/NA	Solid	8021B	29102
LCSD 880-29102/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29102
890-2500-A-11-E MS	Matrix Spike	Total/NA	Solid	8021B	29102
890-2500-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29102

Analysis Batch: 29109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-18	CS-115 2	Total/NA	Solid	8021B	29048
890-2497-19	CS-116 2	Total/NA	Solid	8021B	29048
890-2497-20	CS-117 2	Total/NA	Solid	8021B	29048
890-2497-21	CS-118 2	Total/NA	Solid	8021B	29048
890-2497-22	CS-119 2	Total/NA	Solid	8021B	29048
890-2497-23	CS-120 2	Total/NA	Solid	8021B	29048
890-2497-24	CS-121 2	Total/NA	Solid	8021B	29048
890-2497-25	CS-122 2	Total/NA	Solid	8021B	29048
890-2497-26	CS-123 2	Total/NA	Solid	8021B	29048
890-2497-27	CS-124 2	Total/NA	Solid	8021B	29048
890-2497-28	CS-125 2	Total/NA	Solid	8021B	29103
890-2497-29	CS-126 2	Total/NA	Solid	8021B	29103
890-2497-30	CS-127 2	Total/NA	Solid	8021B	29103
890-2497-31	SW-5 2	Total/NA	Solid	8021B	29103
890-2497-32	SW-6 2	Total/NA	Solid	8021B	29103
890-2497-33	SW-7 2.5	Total/NA	Solid	8021B	29103
890-2497-34	SW-26 1	Total/NA	Solid	8021B	29103
890-2497-35	SW-38 2	Total/NA	Solid	8021B	29103
890-2497-36	SW-39 2	Total/NA	Solid	8021B	29103
890-2497-37	SW-40 2	Total/NA	Solid	8021B	29103
890-2497-38	SW-41 2	Total/NA	Solid	8021B	29103
890-2497-39	SW-42 2.5	Total/NA	Solid	8021B	29103
890-2497-40	SW-60 2	Total/NA	Solid	8021B	29103
890-2497-41	SW-61 2	Total/NA	Solid	8021B	29103
MB 880-29048/5-A	Method Blank	Total/NA	Solid	8021B	29048
MB 880-29103/5-A	Method Blank	Total/NA	Solid	8021B	29103

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC VOA (Continued)

Analysis Batch: 29109 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-29048/1-A	Lab Control Sample	Total/NA	Solid	8021B	29048
LCS 880-29103/1-A	Lab Control Sample	Total/NA	Solid	8021B	29103
LCSD 880-29048/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29048
LCSD 880-29103/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29103
890-2497-18 MS	CS-115 2	Total/NA	Solid	8021B	29048
890-2497-18 MSD	CS-115 2	Total/NA	Solid	8021B	29048
890-2497-28 MS	CS-125 2	Total/NA	Solid	8021B	29103
890-2497-28 MSD	CS-125 2	Total/NA	Solid	8021B	29103

Analysis Batch: 29131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Total/NA	Solid	Total BTEX	
890-2497-2	CS-9 2	Total/NA	Solid	Total BTEX	
890-2497-3	CS-10 2	Total/NA	Solid	Total BTEX	
890-2497-4	CS-11 2	Total/NA	Solid	Total BTEX	
890-2497-5	CS-12 2	Total/NA	Solid	Total BTEX	
890-2497-6	CS-13 2	Total/NA	Solid	Total BTEX	
890-2497-7	CS-14 2	Total/NA	Solid	Total BTEX	
890-2497-8	CS-15 2	Total/NA	Solid	Total BTEX	
890-2497-9	CS-16 2	Total/NA	Solid	Total BTEX	
890-2497-10	CS-17 2	Total/NA	Solid	Total BTEX	
890-2497-11	CS-18 2	Total/NA	Solid	Total BTEX	
890-2497-12	CS-19 2	Total/NA	Solid	Total BTEX	
890-2497-13	CS-20 2	Total/NA	Solid	Total BTEX	
890-2497-14	CS-21 2	Total/NA	Solid	Total BTEX	
890-2497-15	CS-82 3	Total/NA	Solid	Total BTEX	
890-2497-16	CS-113 2	Total/NA	Solid	Total BTEX	
890-2497-17	CS-114 2	Total/NA	Solid	Total BTEX	
890-2497-18	CS-115 2	Total/NA	Solid	Total BTEX	
890-2497-19	CS-116 2	Total/NA	Solid	Total BTEX	
890-2497-20	CS-117 2	Total/NA	Solid	Total BTEX	
890-2497-21	CS-118 2	Total/NA	Solid	Total BTEX	
890-2497-22	CS-119 2	Total/NA	Solid	Total BTEX	
890-2497-23	CS-120 2	Total/NA	Solid	Total BTEX	
890-2497-24	CS-121 2	Total/NA	Solid	Total BTEX	
890-2497-25	CS-122 2	Total/NA	Solid	Total BTEX	
890-2497-26	CS-123 2	Total/NA	Solid	Total BTEX	
890-2497-27	CS-124 2	Total/NA	Solid	Total BTEX	
890-2497-28	CS-125 2	Total/NA	Solid	Total BTEX	
890-2497-29	CS-126 2	Total/NA	Solid	Total BTEX	
890-2497-30	CS-127 2	Total/NA	Solid	Total BTEX	
890-2497-31	SW-5 2	Total/NA	Solid	Total BTEX	
890-2497-32	SW-6 2	Total/NA	Solid	Total BTEX	
890-2497-33	SW-7 2.5	Total/NA	Solid	Total BTEX	
890-2497-34	SW-26 1	Total/NA	Solid	Total BTEX	
890-2497-35	SW-38 2	Total/NA	Solid	Total BTEX	
890-2497-36	SW-39 2	Total/NA	Solid	Total BTEX	
890-2497-37	SW-40 2	Total/NA	Solid	Total BTEX	
890-2497-38	SW-41 2	Total/NA	Solid	Total BTEX	
890-2497-39	SW-42 2.5	Total/NA	Solid	Total BTEX	
890-2497-40	SW-60 2	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC VOA (Continued)

Analysis Batch: 29131 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-41	SW-61 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 29078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-41	SW-61 2	Total/NA	Solid	8015NM Prep	
MB 880-29078/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29078/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29078/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2500-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2500-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 29091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Total/NA	Solid	8015NM Prep	
890-2497-2	CS-9 2	Total/NA	Solid	8015NM Prep	
890-2497-3	CS-10 2	Total/NA	Solid	8015NM Prep	
890-2497-4	CS-11 2	Total/NA	Solid	8015NM Prep	
890-2497-5	CS-12 2	Total/NA	Solid	8015NM Prep	
890-2497-6	CS-13 2	Total/NA	Solid	8015NM Prep	
890-2497-7	CS-14 2	Total/NA	Solid	8015NM Prep	
890-2497-8	CS-15 2	Total/NA	Solid	8015NM Prep	
890-2497-9	CS-16 2	Total/NA	Solid	8015NM Prep	
890-2497-10	CS-17 2	Total/NA	Solid	8015NM Prep	
890-2497-11	CS-18 2	Total/NA	Solid	8015NM Prep	
890-2497-12	CS-19 2	Total/NA	Solid	8015NM Prep	
890-2497-13	CS-20 2	Total/NA	Solid	8015NM Prep	
890-2497-14	CS-21 2	Total/NA	Solid	8015NM Prep	
890-2497-15	CS-82 3	Total/NA	Solid	8015NM Prep	
890-2497-16	CS-113 2	Total/NA	Solid	8015NM Prep	
890-2497-17	CS-114 2	Total/NA	Solid	8015NM Prep	
890-2497-18	CS-115 2	Total/NA	Solid	8015NM Prep	
890-2497-19	CS-116 2	Total/NA	Solid	8015NM Prep	
890-2497-20	CS-117 2	Total/NA	Solid	8015NM Prep	
MB 880-29091/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29091/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29091/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2497-A-1-F MS	890-2497-A-1-F MS	Total/NA	Solid	8015NM Prep	
890-2497-A-1-G MSD	890-2497-A-1-G MSD	Total/NA	Solid	8015NM Prep	

Prep Batch: 29092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-21	CS-118 2	Total/NA	Solid	8015NM Prep	
890-2497-22	CS-119 2	Total/NA	Solid	8015NM Prep	
890-2497-23	CS-120 2	Total/NA	Solid	8015NM Prep	
890-2497-24	CS-121 2	Total/NA	Solid	8015NM Prep	
890-2497-25	CS-122 2	Total/NA	Solid	8015NM Prep	
890-2497-26	CS-123 2	Total/NA	Solid	8015NM Prep	
890-2497-27	CS-124 2	Total/NA	Solid	8015NM Prep	
890-2497-28	CS-125 2	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC Semi VOA (Continued)

Prep Batch: 29092 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-29	CS-126 2	Total/NA	Solid	8015NM Prep	
890-2497-30	CS-127 2	Total/NA	Solid	8015NM Prep	
890-2497-31	SW-5 2	Total/NA	Solid	8015NM Prep	
890-2497-32	SW-6 2	Total/NA	Solid	8015NM Prep	
890-2497-33	SW-7 2.5	Total/NA	Solid	8015NM Prep	
890-2497-34	SW-26 1	Total/NA	Solid	8015NM Prep	
890-2497-35	SW-38 2	Total/NA	Solid	8015NM Prep	
890-2497-36	SW-39 2	Total/NA	Solid	8015NM Prep	
890-2497-37	SW-40 2	Total/NA	Solid	8015NM Prep	
890-2497-38	SW-41 2	Total/NA	Solid	8015NM Prep	
890-2497-39	SW-42 2.5	Total/NA	Solid	8015NM Prep	
890-2497-40	SW-60 2	Total/NA	Solid	8015NM Prep	
MB 880-29092/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29092/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29092/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2497-21 MS	CS-118 2	Total/NA	Solid	8015NM Prep	
890-2497-21 MSD	CS-118 2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-41	SW-61 2	Total/NA	Solid	8015B NM	29078
MB 880-29078/1-A	Method Blank	Total/NA	Solid	8015B NM	29078
LCS 880-29078/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29078
LCSD 880-29078/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29078
890-2500-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	29078
890-2500-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29078

Analysis Batch: 29115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Total/NA	Solid	8015B NM	29091
890-2497-2	CS-9 2	Total/NA	Solid	8015B NM	29091
890-2497-3	CS-10 2	Total/NA	Solid	8015B NM	29091
890-2497-4	CS-11 2	Total/NA	Solid	8015B NM	29091
890-2497-5	CS-12 2	Total/NA	Solid	8015B NM	29091
890-2497-6	CS-13 2	Total/NA	Solid	8015B NM	29091
890-2497-7	CS-14 2	Total/NA	Solid	8015B NM	29091
890-2497-8	CS-15 2	Total/NA	Solid	8015B NM	29091
890-2497-9	CS-16 2	Total/NA	Solid	8015B NM	29091
890-2497-10	CS-17 2	Total/NA	Solid	8015B NM	29091
890-2497-11	CS-18 2	Total/NA	Solid	8015B NM	29091
890-2497-12	CS-19 2	Total/NA	Solid	8015B NM	29091
890-2497-13	CS-20 2	Total/NA	Solid	8015B NM	29091
890-2497-14	CS-21 2	Total/NA	Solid	8015B NM	29091
890-2497-15	CS-82 3	Total/NA	Solid	8015B NM	29091
890-2497-16	CS-113 2	Total/NA	Solid	8015B NM	29091
890-2497-17	CS-114 2	Total/NA	Solid	8015B NM	29091
890-2497-18	CS-115 2	Total/NA	Solid	8015B NM	29091
890-2497-19	CS-116 2	Total/NA	Solid	8015B NM	29091
890-2497-20	CS-117 2	Total/NA	Solid	8015B NM	29091
890-2497-21	CS-118 2	Total/NA	Solid	8015B NM	29092
890-2497-22	CS-119 2	Total/NA	Solid	8015B NM	29092

Eurofins Carlsbad

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 29115 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-23	CS-120 2	Total/NA	Solid	8015B NM	29092
890-2497-24	CS-121 2	Total/NA	Solid	8015B NM	29092
890-2497-25	CS-122 2	Total/NA	Solid	8015B NM	29092
890-2497-26	CS-123 2	Total/NA	Solid	8015B NM	29092
890-2497-27	CS-124 2	Total/NA	Solid	8015B NM	29092
890-2497-28	CS-125 2	Total/NA	Solid	8015B NM	29092
890-2497-29	CS-126 2	Total/NA	Solid	8015B NM	29092
890-2497-30	CS-127 2	Total/NA	Solid	8015B NM	29092
890-2497-31	SW-5 2	Total/NA	Solid	8015B NM	29092
890-2497-32	SW-6 2	Total/NA	Solid	8015B NM	29092
890-2497-33	SW-7 2.5	Total/NA	Solid	8015B NM	29092
890-2497-34	SW-26 1	Total/NA	Solid	8015B NM	29092
890-2497-35	SW-38 2	Total/NA	Solid	8015B NM	29092
890-2497-36	SW-39 2	Total/NA	Solid	8015B NM	29092
890-2497-37	SW-40 2	Total/NA	Solid	8015B NM	29092
890-2497-38	SW-41 2	Total/NA	Solid	8015B NM	29092
890-2497-39	SW-42 2.5	Total/NA	Solid	8015B NM	29092
890-2497-40	SW-60 2	Total/NA	Solid	8015B NM	29092
MB 880-29091/1-A	Method Blank	Total/NA	Solid	8015B NM	29091
MB 880-29092/1-A	Method Blank	Total/NA	Solid	8015B NM	29092
LCS 880-29091/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29091
LCS 880-29092/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29092
LCSD 880-29091/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29091
LCSD 880-29092/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29092
890-2497-21 MS	CS-118 2	Total/NA	Solid	8015B NM	29092
890-2497-21 MSD	CS-118 2	Total/NA	Solid	8015B NM	29092
890-2497-A-1-F MS	890-2497-A-1-F MS	Total/NA	Solid	8015B NM	29091
890-2497-A-1-G MSD	890-2497-A-1-G MSD	Total/NA	Solid	8015B NM	29091

Analysis Batch: 29195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Total/NA	Solid	8015 NM	
890-2497-2	CS-9 2	Total/NA	Solid	8015 NM	
890-2497-3	CS-10 2	Total/NA	Solid	8015 NM	
890-2497-4	CS-11 2	Total/NA	Solid	8015 NM	
890-2497-5	CS-12 2	Total/NA	Solid	8015 NM	
890-2497-6	CS-13 2	Total/NA	Solid	8015 NM	
890-2497-7	CS-14 2	Total/NA	Solid	8015 NM	
890-2497-8	CS-15 2	Total/NA	Solid	8015 NM	
890-2497-9	CS-16 2	Total/NA	Solid	8015 NM	
890-2497-10	CS-17 2	Total/NA	Solid	8015 NM	
890-2497-11	CS-18 2	Total/NA	Solid	8015 NM	
890-2497-12	CS-19 2	Total/NA	Solid	8015 NM	
890-2497-13	CS-20 2	Total/NA	Solid	8015 NM	
890-2497-14	CS-21 2	Total/NA	Solid	8015 NM	
890-2497-15	CS-82 3	Total/NA	Solid	8015 NM	
890-2497-16	CS-113 2	Total/NA	Solid	8015 NM	
890-2497-17	CS-114 2	Total/NA	Solid	8015 NM	
890-2497-18	CS-115 2	Total/NA	Solid	8015 NM	
890-2497-19	CS-116 2	Total/NA	Solid	8015 NM	
890-2497-20	CS-117 2	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 29195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-21	CS-118 2	Total/NA	Solid	8015 NM	
890-2497-22	CS-119 2	Total/NA	Solid	8015 NM	
890-2497-23	CS-120 2	Total/NA	Solid	8015 NM	
890-2497-24	CS-121 2	Total/NA	Solid	8015 NM	
890-2497-25	CS-122 2	Total/NA	Solid	8015 NM	
890-2497-26	CS-123 2	Total/NA	Solid	8015 NM	
890-2497-27	CS-124 2	Total/NA	Solid	8015 NM	
890-2497-28	CS-125 2	Total/NA	Solid	8015 NM	
890-2497-29	CS-126 2	Total/NA	Solid	8015 NM	
890-2497-30	CS-127 2	Total/NA	Solid	8015 NM	
890-2497-31	SW-5 2	Total/NA	Solid	8015 NM	
890-2497-32	SW-6 2	Total/NA	Solid	8015 NM	
890-2497-33	SW-7 2.5	Total/NA	Solid	8015 NM	
890-2497-34	SW-26 1	Total/NA	Solid	8015 NM	
890-2497-35	SW-38 2	Total/NA	Solid	8015 NM	
890-2497-36	SW-39 2	Total/NA	Solid	8015 NM	
890-2497-37	SW-40 2	Total/NA	Solid	8015 NM	
890-2497-38	SW-41 2	Total/NA	Solid	8015 NM	
890-2497-39	SW-42 2.5	Total/NA	Solid	8015 NM	
890-2497-40	SW-60 2	Total/NA	Solid	8015 NM	
890-2497-41	SW-61 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 29062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Soluble	Solid	DI Leach	
890-2497-2	CS-9 2	Soluble	Solid	DI Leach	
890-2497-3	CS-10 2	Soluble	Solid	DI Leach	
890-2497-4	CS-11 2	Soluble	Solid	DI Leach	
890-2497-5	CS-12 2	Soluble	Solid	DI Leach	
890-2497-6	CS-13 2	Soluble	Solid	DI Leach	
890-2497-7	CS-14 2	Soluble	Solid	DI Leach	
890-2497-8	CS-15 2	Soluble	Solid	DI Leach	
890-2497-9	CS-16 2	Soluble	Solid	DI Leach	
890-2497-10	CS-17 2	Soluble	Solid	DI Leach	
890-2497-11	CS-18 2	Soluble	Solid	DI Leach	
890-2497-12	CS-19 2	Soluble	Solid	DI Leach	
890-2497-13	CS-20 2	Soluble	Solid	DI Leach	
890-2497-14	CS-21 2	Soluble	Solid	DI Leach	
890-2497-15	CS-82 3	Soluble	Solid	DI Leach	
890-2497-16	CS-113 2	Soluble	Solid	DI Leach	
890-2497-17	CS-114 2	Soluble	Solid	DI Leach	
890-2497-18	CS-115 2	Soluble	Solid	DI Leach	
890-2497-19	CS-116 2	Soluble	Solid	DI Leach	
890-2497-20	CS-117 2	Soluble	Solid	DI Leach	
MB 880-29062/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29062/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29062/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2497-1 MS	CS-8 2	Soluble	Solid	DI Leach	
890-2497-1 MSD	CS-8 2	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

HPLC/IC (Continued)

Leach Batch: 29062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-11 MS	CS-18 2	Soluble	Solid	DI Leach	
890-2497-11 MSD	CS-18 2	Soluble	Solid	DI Leach	

Leach Batch: 29063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-21	CS-118 2	Soluble	Solid	DI Leach	
890-2497-22	CS-119 2	Soluble	Solid	DI Leach	
890-2497-23	CS-120 2	Soluble	Solid	DI Leach	
890-2497-24	CS-121 2	Soluble	Solid	DI Leach	
890-2497-25	CS-122 2	Soluble	Solid	DI Leach	
890-2497-26	CS-123 2	Soluble	Solid	DI Leach	
890-2497-27	CS-124 2	Soluble	Solid	DI Leach	
890-2497-28	CS-125 2	Soluble	Solid	DI Leach	
890-2497-29	CS-126 2	Soluble	Solid	DI Leach	
890-2497-30	CS-127 2	Soluble	Solid	DI Leach	
890-2497-31	SW-5 2	Soluble	Solid	DI Leach	
890-2497-32	SW-6 2	Soluble	Solid	DI Leach	
890-2497-33	SW-7 2.5	Soluble	Solid	DI Leach	
890-2497-34	SW-26 1	Soluble	Solid	DI Leach	
890-2497-35	SW-38 2	Soluble	Solid	DI Leach	
890-2497-36	SW-39 2	Soluble	Solid	DI Leach	
890-2497-37	SW-40 2	Soluble	Solid	DI Leach	
890-2497-38	SW-41 2	Soluble	Solid	DI Leach	
890-2497-39	SW-42 2.5	Soluble	Solid	DI Leach	
890-2497-40	SW-60 2	Soluble	Solid	DI Leach	
MB 880-29063/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29063/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29063/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2497-21 MS	CS-118 2	Soluble	Solid	DI Leach	
890-2497-21 MSD	CS-118 2	Soluble	Solid	DI Leach	
890-2497-31 MS	SW-5 2	Soluble	Solid	DI Leach	
890-2497-31 MSD	SW-5 2	Soluble	Solid	DI Leach	

Leach Batch: 29064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-41	SW-61 2	Soluble	Solid	DI Leach	
MB 880-29064/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29064/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29064/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2497-41 MS	SW-61 2	Soluble	Solid	DI Leach	
890-2497-41 MSD	SW-61 2	Soluble	Solid	DI Leach	

Analysis Batch: 29104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-21	CS-118 2	Soluble	Solid	300.0	29063
890-2497-22	CS-119 2	Soluble	Solid	300.0	29063
890-2497-23	CS-120 2	Soluble	Solid	300.0	29063
890-2497-24	CS-121 2	Soluble	Solid	300.0	29063
890-2497-25	CS-122 2	Soluble	Solid	300.0	29063
890-2497-26	CS-123 2	Soluble	Solid	300.0	29063
890-2497-27	CS-124 2	Soluble	Solid	300.0	29063

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

HPLC/IC (Continued)

Analysis Batch: 29104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-28	CS-125 2	Soluble	Solid	300.0	29063
890-2497-29	CS-126 2	Soluble	Solid	300.0	29063
890-2497-30	CS-127 2	Soluble	Solid	300.0	29063
890-2497-31	SW-5 2	Soluble	Solid	300.0	29063
890-2497-32	SW-6 2	Soluble	Solid	300.0	29063
890-2497-33	SW-7 2.5	Soluble	Solid	300.0	29063
890-2497-34	SW-26 1	Soluble	Solid	300.0	29063
890-2497-35	SW-38 2	Soluble	Solid	300.0	29063
890-2497-36	SW-39 2	Soluble	Solid	300.0	29063
890-2497-37	SW-40 2	Soluble	Solid	300.0	29063
890-2497-38	SW-41 2	Soluble	Solid	300.0	29063
890-2497-39	SW-42 2.5	Soluble	Solid	300.0	29063
890-2497-40	SW-60 2	Soluble	Solid	300.0	29063
MB 880-29063/1-A	Method Blank	Soluble	Solid	300.0	29063
LCS 880-29063/2-A	Lab Control Sample	Soluble	Solid	300.0	29063
LCSD 880-29063/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29063
890-2497-21 MS	CS-118 2	Soluble	Solid	300.0	29063
890-2497-21 MSD	CS-118 2	Soluble	Solid	300.0	29063
890-2497-31 MS	SW-5 2	Soluble	Solid	300.0	29063
890-2497-31 MSD	SW-5 2	Soluble	Solid	300.0	29063

Analysis Batch: 29105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-1	CS-8 2	Soluble	Solid	300.0	29062
890-2497-2	CS-9 2	Soluble	Solid	300.0	29062
890-2497-3	CS-10 2	Soluble	Solid	300.0	29062
890-2497-4	CS-11 2	Soluble	Solid	300.0	29062
890-2497-5	CS-12 2	Soluble	Solid	300.0	29062
890-2497-6	CS-13 2	Soluble	Solid	300.0	29062
890-2497-7	CS-14 2	Soluble	Solid	300.0	29062
890-2497-8	CS-15 2	Soluble	Solid	300.0	29062
890-2497-9	CS-16 2	Soluble	Solid	300.0	29062
890-2497-10	CS-17 2	Soluble	Solid	300.0	29062
890-2497-11	CS-18 2	Soluble	Solid	300.0	29062
890-2497-12	CS-19 2	Soluble	Solid	300.0	29062
890-2497-13	CS-20 2	Soluble	Solid	300.0	29062
890-2497-14	CS-21 2	Soluble	Solid	300.0	29062
890-2497-15	CS-82 3	Soluble	Solid	300.0	29062
890-2497-16	CS-113 2	Soluble	Solid	300.0	29062
890-2497-17	CS-114 2	Soluble	Solid	300.0	29062
890-2497-18	CS-115 2	Soluble	Solid	300.0	29062
890-2497-19	CS-116 2	Soluble	Solid	300.0	29062
890-2497-20	CS-117 2	Soluble	Solid	300.0	29062
MB 880-29062/1-A	Method Blank	Soluble	Solid	300.0	29062
LCS 880-29062/2-A	Lab Control Sample	Soluble	Solid	300.0	29062
LCSD 880-29062/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29062
890-2497-1 MS	CS-8 2	Soluble	Solid	300.0	29062
890-2497-1 MSD	CS-8 2	Soluble	Solid	300.0	29062
890-2497-11 MS	CS-18 2	Soluble	Solid	300.0	29062
890-2497-11 MSD	CS-18 2	Soluble	Solid	300.0	29062

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

HPLC/IC

Analysis Batch: 29120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2497-41	SW-61 2	Soluble	Solid	300.0	29064
MB 880-29064/1-A	Method Blank	Soluble	Solid	300.0	29064
LCS 880-29064/2-A	Lab Control Sample	Soluble	Solid	300.0	29064
LCSD 880-29064/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29064
890-2497-41 MS	SW-61 2	Soluble	Solid	300.0	29064
890-2497-41 MSD	SW-61 2	Soluble	Solid	300.0	29064

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-8 2

Lab Sample ID: 890-2497-1

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 21:00	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 11:41	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 10:01	CH	XEN MID

Client Sample ID: CS-9 2

Lab Sample ID: 890-2497-2

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 21:27	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 12:46	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 10:55	CH	XEN MID

Client Sample ID: CS-10 2

Lab Sample ID: 890-2497-3

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 21:54	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 13:08	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 11:03	CH	XEN MID

Client Sample ID: CS-11 2

Lab Sample ID: 890-2497-4

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 22:20	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-11 2

Lab Sample ID: 890-2497-4

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 13:30	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 11:11	CH	XEN MID

Client Sample ID: CS-12 2

Lab Sample ID: 890-2497-5

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 22:47	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 13:51	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 11:19	CH	XEN MID

Client Sample ID: CS-13 2

Lab Sample ID: 890-2497-6

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 23:14	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 14:13	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 11:42	CH	XEN MID

Client Sample ID: CS-14 2

Lab Sample ID: 890-2497-7

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/05/22 23:40	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 14:34	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-14 2

Lab Sample ID: 890-2497-7

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 11:50	CH	XEN MID

Client Sample ID: CS-15 2

Lab Sample ID: 890-2497-8

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/06/22 00:07	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 14:56	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 11:58	CH	XEN MID

Client Sample ID: CS-16 2

Lab Sample ID: 890-2497-9

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/06/22 00:34	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 15:17	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 12:06	CH	XEN MID

Client Sample ID: CS-17 2

Lab Sample ID: 890-2497-10

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29033	07/05/22 13:16	EL	XEN MID
Total/NA	Analysis	8021B		1			28985	07/06/22 01:00	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 15:39	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 12:14	CH	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-18 2

Lab Sample ID: 890-2497-11

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29102	07/06/22 08:18	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29108	07/06/22 17:09	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 16:22	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 12:22	CH	XEN MID

Client Sample ID: CS-19 2

Lab Sample ID: 890-2497-12

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29023	07/05/22 13:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 04:11	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 16:44	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 12:45	CH	XEN MID

Client Sample ID: CS-20 2

Lab Sample ID: 890-2497-13

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29023	07/05/22 13:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 04:32	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 17:05	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 12:53	CH	XEN MID

Client Sample ID: CS-21 2

Lab Sample ID: 890-2497-14

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29023	07/05/22 13:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 04:52	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-21 2

Lab Sample ID: 890-2497-14

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 17:27	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 13:17	CH	XEN MID

Client Sample ID: CS-82 3

Lab Sample ID: 890-2497-15

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29023	07/05/22 13:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 05:13	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 17:49	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 13:25	CH	XEN MID

Client Sample ID: CS-113 2

Lab Sample ID: 890-2497-16

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29023	07/05/22 13:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 05:33	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 18:10	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 13:32	CH	XEN MID

Client Sample ID: CS-114 2

Lab Sample ID: 890-2497-17

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29023	07/05/22 13:38	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28982	07/06/22 05:54	SM	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 18:32	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-114 2

Lab Sample ID: 890-2497-17

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 13:40	CH	XEN MID

Client Sample ID: CS-115 2

Lab Sample ID: 890-2497-18

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 13:07	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 18:53	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 13:48	CH	XEN MID

Client Sample ID: CS-116 2

Lab Sample ID: 890-2497-19

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 13:28	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 19:15	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 13:56	CH	XEN MID

Client Sample ID: CS-117 2

Lab Sample ID: 890-2497-20

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 13:48	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29091	07/06/22 07:21	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 19:37	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29062	07/05/22 14:56	CH	XEN MID
Soluble	Analysis	300.0		1			29105	07/06/22 14:04	CH	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-118 2

Lab Sample ID: 890-2497-21

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 14:09	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 21:24	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 05:54	CH	XEN MID

Client Sample ID: CS-119 2

Lab Sample ID: 890-2497-22

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 14:29	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 22:29	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 06:21	CH	XEN MID

Client Sample ID: CS-120 2

Lab Sample ID: 890-2497-23

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 22:51	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 06:30	CH	XEN MID

Client Sample ID: CS-121 2

Lab Sample ID: 890-2497-24

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 15:10	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-121 2

Lab Sample ID: 890-2497-24

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 23:12	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 06:40	CH	XEN MID

Client Sample ID: CS-122 2

Lab Sample ID: 890-2497-25

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 15:30	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 23:34	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 06:49	CH	XEN MID

Client Sample ID: CS-123 2

Lab Sample ID: 890-2497-26

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 15:51	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/06/22 23:55	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 07:16	CH	XEN MID

Client Sample ID: CS-124 2

Lab Sample ID: 890-2497-27

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29048	07/05/22 13:34	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/06/22 16:11	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 00:16	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: CS-124 2

Lab Sample ID: 890-2497-27

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 07:26	CH	XEN MID

Client Sample ID: CS-125 2

Lab Sample ID: 890-2497-28

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 00:46	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 00:37	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 07:35	CH	XEN MID

Client Sample ID: CS-126 2

Lab Sample ID: 890-2497-29

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 01:06	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 00:58	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 07:44	CH	XEN MID

Client Sample ID: CS-127 2

Lab Sample ID: 890-2497-30

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 01:26	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 01:19	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 07:53	CH	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-5 2

Lab Sample ID: 890-2497-31

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 01:47	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 02:01	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 08:02	CH	XEN MID

Client Sample ID: SW-6 2

Lab Sample ID: 890-2497-32

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 02:07	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 02:21	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 08:30	CH	XEN MID

Client Sample ID: SW-7 2.5

Lab Sample ID: 890-2497-33

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 02:28	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 02:43	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 08:39	CH	XEN MID

Client Sample ID: SW-26 1

Lab Sample ID: 890-2497-34

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 02:48	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-26 1

Lab Sample ID: 890-2497-34

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 03:04	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 09:07	CH	XEN MID

Client Sample ID: SW-38 2

Lab Sample ID: 890-2497-35

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 03:08	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 03:24	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 09:16	CH	XEN MID

Client Sample ID: SW-39 2

Lab Sample ID: 890-2497-36

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 03:29	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 03:46	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 09:25	CH	XEN MID

Client Sample ID: SW-40 2

Lab Sample ID: 890-2497-37

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 03:49	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 04:07	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-40 2

Lab Sample ID: 890-2497-37

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 09:35	CH	XEN MID

Client Sample ID: SW-41 2

Lab Sample ID: 890-2497-38

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 05:39	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 04:27	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 09:44	CH	XEN MID

Client Sample ID: SW-42 2.5

Lab Sample ID: 890-2497-39

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 05:59	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 04:49	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 09:53	CH	XEN MID

Client Sample ID: SW-60 2

Lab Sample ID: 890-2497-40

Date Collected: 07/02/22 00:00

Matrix: Solid

Date Received: 07/05/22 08:07

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	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 06:20	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29092	07/06/22 07:27	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29115	07/07/22 05:09	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29063	07/05/22 14:59	CH	XEN MID
Soluble	Analysis	300.0		1			29104	07/06/22 10:02	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Client Sample ID: SW-61 2
Date Collected: 07/02/22 00:00
Date Received: 07/05/22 08:07

Lab Sample ID: 890-2497-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29103	07/06/22 08:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29109	07/07/22 06:40	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29131	07/06/22 09:22	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29195	07/07/22 10:38	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29078	07/05/22 16:26	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29098	07/06/22 02:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29064	07/05/22 15:01	CH	XEN MID
Soluble	Analysis	300.0		1			29120	07/06/22 12:03	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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	T104704400-22-23	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: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2497-1
SDG: 1028

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2497-1	CS-8 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-2	CS-9 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-3	CS-10 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-4	CS-11 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-5	CS-12 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-6	CS-13 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-7	CS-14 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-8	CS-15 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-9	CS-16 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-10	CS-17 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-11	CS-18 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-12	CS-19 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-13	CS-20 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-14	CS-21 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-15	CS-82 3	Solid	07/02/22 00:00	07/05/22 08:07	3
890-2497-16	CS-113 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-17	CS-114 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-18	CS-115 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-19	CS-116 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-20	CS-117 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-21	CS-118 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-22	CS-119 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-23	CS-120 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-24	CS-121 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-25	CS-122 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-26	CS-123 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-27	CS-124 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-28	CS-125 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-29	CS-126 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-30	CS-127 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-31	SW-5 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-32	SW-6 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-33	SW-7 2.5	Solid	07/02/22 00:00	07/05/22 08:07	2.5
890-2497-34	SW-26 1	Solid	07/02/22 00:00	07/05/22 08:07	1
890-2497-35	SW-38 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-36	SW-39 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-37	SW-40 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-38	SW-41 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-39	SW-42 2.5	Solid	07/02/22 00:00	07/05/22 08:07	2.5
890-2497-40	SW-60 2	Solid	07/02/22 00:00	07/05/22 08:07	2
890-2497-41	SW-61 2	Solid	07/02/22 00:00	07/05/22 08:07	2

Chain of Custody

Work Order No: _____

Page 1 of 5

Project Manager: Conner Moehring		Bill to: (if different)		Joseph Vargo	
Company Name: Carmona Resources		Company Name:		NGL Water Solutions Permian	
Address: 310 W Wall St. Ste 415		Address:		865 North Albion St. Ste. 400	
City, State ZIP: Midland, TX 79701		City, State ZIP:		Denver, CO 80220	
Phone: 432.813.6823		Email: joseph.vargo@nglwp.com			

Project Name: Cosmo Booster		Turn Around		Pres. Code	
Project Number: 1028		☐ Routine ☒ Rush			
Project Location: Lea Co, NM		Due Date: 24 Hrs			
Sampler's Name: CRM		TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT		Temp Blank: ☒ Yes ☒ No		Wet Ice: ☒ Yes ☒ No	
Received Intact:		Thermometer ID: T-002		T-002	
Cooler Custody Seals: Yes No		Correction Factor: N/A		-0.2	
Sample Custody Seals: Yes No		Temperature Reading: 5.2		5.2	
Total Containers:		Corrected Temperature: 5.0		5.0	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
CS-8 (2')	7/2/2022		X		C	1
CS-9 (2')	7/2/2022		X		C	1
CS-10 (2')	7/2/2022		X		C	1
CS-11 (2')	7/2/2022		X		C	1
CS-12 (2')	7/2/2022		X		C	1
CS-13 (2')	7/2/2022		X		C	1
CS-14 (2')	7/2/2022		X		C	1
CS-15 (2')	7/2/2022		X		C	1
CS-16 (2')	7/2/2022		X		C	1
CS-17 (2')	7/2/2022		X		C	1

ANALYSIS REQUEST		Preservative Codes	
 890-2497 Chain of Custody		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	

Relinquished by: (Signature)		Date/Time	
Conner Moehring		7/5/22 807	
Received by: (Signature)		Date/Time	
Angela Steiner		7/5/22 807	

Chain of Custody

Work Order No: _____

Page 2 of 5

Project Manager: Conner Moehring		Bill to: (if different)		Joseph Vargo	
Company Name: Carmona Resources		Company Name:		NGL Water Solutions Permian	
Address: 310 W Wall St. Ste 415		Address:		865 North Albion St. Ste. 400	
City, State ZIP: Midland, TX 79701		City, State ZIP:		Denver, CO 80220	
Phone: 432.813.6823		Email: joseph.vargo@nglwp.com			

Project Name: Cosmo Booster	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number: 1028	☐ Routine ☒ Rush													None: NO DI Water: H ₂ O						
Project Location: Lea Co, NM	Due Date: 24 Hrs													Cool: Cool MeOH: Me						
Sampler's Name: CRM	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	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:			Yes	No	Temperature Reading:											Zn Acetate+NaOH: Zn				
Total Containers:			Yes	No	Corrected Temperature:											NaOH+Ascorbic Acid: SACP				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS-18 (2')	7/2/2022		X		C	1		X	X	X		
CS-19 (2')	7/2/2022		X		C	1		X	X	X		
CS-20 (2')	7/2/2022		X		C	1		X	X	X		
CS-21 (2')	7/2/2022		X		C	1		X	X	X		
CS-82 (3')	7/2/2022		X		C	1		X	X	X		
CS-113 (2')	7/2/2022		X		C	1		X	X	X		
CS-114 (2')	7/2/2022		X		C	1		X	X	X		
CS-115 (2')	7/2/2022		X		C	1		X	X	X		
CS-116 (2')	7/2/2022		X		C	1		X	X	X		
CS-117 (2')	7/2/2022		X		C	1		X	X	X		

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Conner Moehring				Joseph Vargo		7/5/22 803	

Chain of Custody

Work Order No: _____

Page 3 of 5

Project Manager: Conner Moehring		Bill to: (if different)		Joseph Vargo	
Company Name: Carmona Resources		Company Name:		NGL Water Solutions Permian	
Address: 310 W Wall St. Ste 415		Address:		865 North Albion St. Ste. 400	
City, State ZIP: Midland, TX 79701		City, State ZIP:		Denver, CO 80220	
Phone: 432.813.6823		Email: joseph.vargo@nnglep.com			

Project Name: Cosmo Booster		Turn Around		Pres. Code	
Project Number: 1028		☐ Routine ☒ Rush			
Project Location: Lea Co, NM		Due Date: 24 Hrs			
Sampler's Name: CRM		TAT starts the day received by the lab, if received by 4:30pm			
PO #:		Wet log: Yes No			
SAMPLE RECEIPT		Temp Blank: Yes No			
Received Intact:		Thermometer ID:			
Cooler Custody Seals:		Correction Factor:			
Sample Custody Seals:		Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST										Preservative Codes
CS-118 (2')	7/2/2022		X		C	1	BTEX 80218 TPH 8015M (GRO + DRO + MRO) Chloride 300.0											None: NO	
CS-119 (2')	7/2/2022		X		C	1												Cool: Cool	
CS-120 (2')	7/2/2022		X		C	1												HCL: HC	
CS-121 (2')	7/2/2022		X		C	1												H ₂ SO ₄ : H ₂	
CS-122 (2')	7/2/2022		X		C	1												H ₃ PO ₄ : HP	
CS-123 (2')	7/2/2022		X		C	1												NaHSO ₄ : NABIS	
CS-124 (2')	7/2/2022		X		C	1												Na ₂ S ₂ O ₃ : NaSO ₃	
CS-125 (2')	7/2/2022		X		C	1												Zn Acetate+NaOH: Zn	
CS-126 (2')	7/2/2022		X		C	1												NaOH+Ascorbic Acid: SACP	
CS-127 (2')	7/2/2022		X		C	1													

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Conner Moehring</i>				<i>Amberla Delf</i>		7/5/22 803	

Chain of Custody

Work Order No:

Page 4 of 5

Project Manager: Company Name: Address: City, State ZIP:						Conner Moehring Carmona Resources 310 W Wall St, Ste 415 Midland, TX 79701						Bill To: (if different) Company Name: Address: City, State ZIP:						Joseph Vargo NGL Water Solutions Permian 855 North Albion St. Ste. 400 Denver, CO 80220																													
Phone:						432-813-6823						Email: joseph.vargo@ndlepp.com																																			
Project Name:						Cosmo Booster						Turn Around						Pres. Code																													
Project Number:						1028						☐ Routine ☒ Rush																																			
Project Location						Lea Co. NM						Due Date: 24 Hrs																																			
Sampler's Name:						CRM						TAT starts the day received by the lab, if received by 4:30pm																																			
PO #:																																															
SAMPLE RECEIPT						Temp Blank:						Yes No						Water Ice: Yes No																													
Received Intact:						Yes No						Thermometer ID:																																			
Cooler Custody Seals:						Yes No N/A						Correction Factor:																																			
Sample Custody Seals:						Yes No N/A						Temperature Readings:																																			
Total Containers:												Corrected Temperature:																																			
Sample Identification						Date						Time						Soil						Water						Grab/Comp						# of Cont											
SW-5 (2')						7/2/2022												X												C						1											
SW-6 (2')						7/2/2022												X												C						1											
SW-7 (2.5')						7/2/2022												X												C						1											
SW-26 (1')						7/2/2022												X												C						1											
SW-38 (2')						7/2/2022												X												C						1											
SW-39 (2')						7/2/2022												X												C						1											
SW-40 (2')						7/2/2022												X												C						1											
SW-41 (2')						7/2/2022												X												C						1											
SW-42 (2.5')						7/2/2022												X												C						1											
SW-60 (2')						7/2/2022												X												C						1											
Relinquished by: (Signature)						Com my way						Date/Time						7/5/22 803						Received by: (Signature)						Anayela Btef						Date/Time						7/5/22 803					

Work Order No:

Page 5 of 5

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- 2
- 3
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Eurofins Carlsbad

1089 N Canal St
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



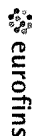
Environment Testing

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s).	CCC No.
Client Contact:		Phone	Kramer Jessica		890-828.2
Shipping/Receiving			E-Mail	State of Origin	Page:
Company	Eurofins Environment Testing South Cent		Jessica Kramer@et.eurofins.com	New Mexico	Page 2 of 5
Address	1211 W Florida Ave	Due Date Requested	Accreditations Required (See note)	Job #:	890-2497-1
City	Midland	7/6/2022	NE LAP - Texas		
State Zip:	TX 79701	TAT Requested (days)			
Phone	432-704-5440(Tel)	PO #			
Email		WO #			
Project Name	Cosmo Booster	Project #			
Site		SSOW#			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=organic, BT=biota, AA=air)
CS-17 2 (890-2497-10)		7/12/22		Solid	
CS-18 2 (890-2497-11)		7/12/22		Solid	
CS-19 2 (890-2497-12)		7/12/22		Solid	
CS-20 2 (890-2497-13)		7/12/22		Solid	
CS-21 2 (890-2497-14)		7/12/22		Solid	
CS-82 3 (890-2497-15)		7/12/22		Solid	
CS-113 2 (890-2497-16)		7/12/22		Solid	
CS-114 2 (890-2497-17)		7/12/22		Solid	
CS-115 2 (890-2497-18)		7/12/22		Solid	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested I II III IV Other (specify)		Primary Deliverable Rank 2		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Empty Kit Relinquished by		Date	Time	Special Instructions/QC Requirements	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Custody Seals Intact:		Custody Seal No		Cooler Temperature(s) °C and Other Remarks	
Δ Yes Δ No					

Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone. 575-988-3199 Fax. 575-988-3199

Chain of Custody Record



**Environment Testing
America**

Client Information (Sub Contract Lab)			Sampler	Lab PM	Carrier Tracking No(s)	COCC No:										
Client Contact			Phone:	Kramer Jessica		890-828 3										
Shipping/Receiving				E-Mail		Page 3 of 5										
Company			Eurofins Environment Testing South Center		State of Origin	Job #										
Address			1211 W. Florida Ave	12/6/2022	New Mexico	890-2497-1										
City			Midland	TAT Requested (day/s):	Analysis Requested											
State Zip			TX, 79701													
Phone			432-704-5440(Tel)	PO #												
Email			WFO #													
Project Name			Project #													
Cosmo Booster			89000090													
Site			SSOW#													
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=C-comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6036FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:	
CS-116 2 (890-2497-19)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-117 2 (890-2497-20)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-118 2 (890-2497-21)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-119 2 (890-2497-22)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-120 2 (890-2497-23)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-121 2 (890-2497-24)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-122 2 (890-2497-25)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-123 2 (890-2497-26)			7/12/22	Mountain		Solid	X	X	X	X	X					
CS-124 2 (890-2497-27)			7/12/22	Mountain		Solid	X	X	X	X	X					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Center, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analyte(s)/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Center, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Center, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Center, LLC.																
Possible Hazard Identification																
Unconfirmed																
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2																
Empty Kit Relinquished by Date Time Date Special Instructions/QC Requirements																
Relinquished by Date Time Company Received by Date Time Company																
Relinquished by Date Time Company Received by Date Time Company																
Relinquished by Date Time Company Received by Date Time Company																
Custody Seals Intact Custody Seal No Cooler Temperature(s) °C and Other Remarks.																
Δ Yes Δ No																

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact:	Phone	Kramer Jessica	State of Origin	New Mexico	890-828 4
Shipping/Receiving	E-Mail	Jessica.Kramer@eurofinsus.com	Accreditations Required (See note):	NE LAP - Texas	Page 4 of 5
Company	Eurofins Environment Testing South Cent	Due Date Requested	7/6/2022	Job #	890-2497-1
Address	1211 W Florida Ave	TAT Requested (days)		Preservation Codes	
City	Midland			A HCL B NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amehlor H Ascorbic Acid I Ice J DI Water K EDTA L EDA Other:	
State Zip	TX 79701	PO #		M Hexane N None O AsNaO2 P Na2O4S Q Na2SO3 R Na2S2O3 S H2SO4 T TSP Decacrylate U Acetone V MCAA W pH 4-5 Y Trizma Z other (specify)	
Phone	432-704-5440(Tel)	WO #			
Email		Project #	89000090		
Project Name	Cosmo Booster	SSOW#			
Site					
Sample Identification - Client ID (Lab ID)					
CS-125 2 (890-2497-28)	7/2/22	Mountain	Solid	X	X
CS-126 2 (890-2497-29)	7/2/22	Mountain	Solid	X	X
CS-127 2 (890-2497-30)	7/2/22	Mountain	Solid	X	X
SW-5 2 (890-2497-31)	7/2/22	Mountain	Solid	X	X
SW-6 2 (890-2497-32)	7/2/22	Mountain	Solid	X	X
SW-7 2 5 (890-2497-33)	7/2/22	Mountain	Solid	X	X
SW-26 1 (890-2497-34)	7/2/22	Mountain	Solid	X	X
SW-38 2 (890-2497-35)	7/2/22	Mountain	Solid	X	X
SW-39 2 (890-2497-36)	7/2/22	Mountain	Solid	X	X
Analysis Requested					
Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8021B/6036FP_Calc BTEX Total_BTEX_GCV 8015MOD_Calc 8015MOD_NM/8015NM_S_Prep Full TPH 300_ORGFM_28D/DI_LEACH Chloride					
Special Instructions/Note.					
Total Number of containers					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Possible Hazard Identification					
Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2 Special Instructions/QC Requirements					
Empty Kit Relinquished by: Date Time Method of Shipment					
Relinquished by: Date Time Company Received by: Date Time Company					
Relinquished by: Date Time Company Received by: Date Time Company					
Relinquished by: Date Time Company Received by: Date Time Company					
Custody Seals Intact: Custody Seal No Cooler Temperature(s) °C and Other Remarks.					

Eurofins Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2497-1

SDG Number: 1028

Login Number: 2497

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2497-1

SDG Number: 1028

Login Number: 2497

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 07/05/22 01:12 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2511-1
Laboratory Sample Delivery Group: 1028
Client Project/Site: Cosmo Booster

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

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
7/11/2022 11:09:34 AM

Jessica Kramer, Project Manager
(432)704-5440
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Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 890-2511-1
SDG: 1028

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	41
QC Sample Results	44
QC Association Summary	56
Lab Chronicle	66
Certification Summary	79
Method Summary	80
Sample Summary	81
Chain of Custody	82
Receipt Checklists	87

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Job ID: 890-2511-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-2511-1****Receipt**

The samples were received on 7/7/2022 8:00 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 1.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29280 and analytical batch 880-29261 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-29258 and analytical batch 880-29361 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-29258 and analytical batch 880-29248 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-29256 and analytical batch 880-29248 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-46 (4) (890-2511-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-9 (4.5) (890-2511-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-29257 and analytical batch 880-29250 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29244 and analytical batch 880-29320 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.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29285 and analytical batch 880-29321 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-22 (4.5)

Lab Sample ID: 890-2511-1

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 11:57	1
Toluene	0.00395		0.00201		mg/Kg		07/08/22 10:30	07/08/22 11:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 11:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 11:57	1
o-Xylene	0.00368		0.00201		mg/Kg		07/08/22 10:30	07/08/22 11:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/08/22 10:30	07/08/22 11:57	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/08/22 10:30	07/08/22 11:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00763		0.00402		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 12:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		07/08/22 07:29	07/08/22 12:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 12:25	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	07/08/22 07:29	07/08/22 12:25	1
o-Terphenyl	91		70 - 130	07/08/22 07:29	07/08/22 12:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.95		mg/Kg			07/09/22 08:05	1

Client Sample ID: CS-23 (4.5)

Lab Sample ID: 890-2511-2

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 12:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 12:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 12:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:30	07/08/22 12:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 12:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:30	07/08/22 12:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-23 (4.5)

Lab Sample ID: 890-2511-2

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/08/22 10:30	07/08/22 12:17	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/08/22 10:30	07/08/22 12:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/08/22 07:29	07/08/22 13:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 13:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 13:29	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	07/08/22 07:29	07/08/22 13:29	1
o-Terphenyl	97		70 - 130	07/08/22 07:29	07/08/22 13:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	215		4.99		mg/Kg			07/09/22 08:33	1

Client Sample ID: CS-24 (4.5)

Lab Sample ID: 890-2511-3

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/22 10:30	07/08/22 12:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/22 10:30	07/08/22 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	07/08/22 10:30	07/08/22 12:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/08/22 10:30	07/08/22 12:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-24 (4.5)

Lab Sample ID: 890-2511-3

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 13:50	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	07/08/22 07:29	07/08/22 13:50	1
o-Terphenyl	93		70 - 130	07/08/22 07:29	07/08/22 13:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.97		mg/Kg			07/09/22 08:42	1

Client Sample ID: CS-25 (4.5)

Lab Sample ID: 890-2511-4

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:30	07/08/22 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 12:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:30	07/08/22 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:30	07/08/22 12:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/08/22 10:30	07/08/22 12:58	1

Method: 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			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-25 (4.5)

Lab Sample ID: 890-2511-4

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/08/22 07:29	07/08/22 14:12	1
o-Terphenyl	91		70 - 130				07/08/22 07:29	07/08/22 14:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		4.98		mg/Kg			07/09/22 08:51	1

Client Sample ID: CS-26 (4.5)

Lab Sample ID: 890-2511-5

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 13:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 13:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 13:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 13:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 13:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				07/08/22 10:30	07/08/22 13:19	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/08/22 10:30	07/08/22 13:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:34	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/08/22 07:29	07/08/22 14:34	1
o-Terphenyl	104		70 - 130				07/08/22 07:29	07/08/22 14:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-26 (4.5)

Lab Sample ID: 890-2511-5

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		5.00		mg/Kg			07/09/22 09:00	1

Client Sample ID: CS-27 (4.5)

Lab Sample ID: 890-2511-6

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 13:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 13:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 13:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:30	07/08/22 13:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 13:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:30	07/08/22 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/08/22 10:30	07/08/22 13:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/08/22 10:30	07/08/22 13:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		07/08/22 07:29	07/08/22 14:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 14:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 14:55	1
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/08/22 07:29	07/08/22 14:55	1
o-Terphenyl	89		70 - 130				07/08/22 07:29	07/08/22 14:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		4.96		mg/Kg			07/09/22 09:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-28 (4.5)

Lab Sample ID: 890-2511-7

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:30	07/08/22 16:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:30	07/08/22 16:04	1
Ethylbenzene	0.00289		0.00199		mg/Kg		07/08/22 10:30	07/08/22 16:04	1
m-Xylene & p-Xylene	0.0102		0.00398		mg/Kg		07/08/22 10:30	07/08/22 16:04	1
o-Xylene	0.00480		0.00199		mg/Kg		07/08/22 10:30	07/08/22 16:04	1
Xylenes, Total	0.0150		0.00398		mg/Kg		07/08/22 10:30	07/08/22 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/08/22 10:30	07/08/22 16:04	1
1,4-Difluorobenzene (Surr)	111		70 - 130	07/08/22 10:30	07/08/22 16:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0179		0.00398		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:17	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	07/08/22 07:29	07/08/22 15:17	1
o-Terphenyl	91		70 - 130	07/08/22 07:29	07/08/22 15:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		5.00		mg/Kg			07/09/22 09:37	1

Client Sample ID: CS-29 (4.5)

Lab Sample ID: 890-2511-8

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 16:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 16:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 16:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 16:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 16:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 16:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-29 (4.5)

Lab Sample ID: 890-2511-8

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/08/22 10:30	07/08/22 16:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/08/22 10:30	07/08/22 16:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:38	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	07/08/22 07:29	07/08/22 15:38	1
o-Terphenyl	88		70 - 130	07/08/22 07:29	07/08/22 15:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.95		mg/Kg			07/09/22 09:46	1

Client Sample ID: CS-30 (4.5)

Lab Sample ID: 890-2511-9

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:30	07/08/22 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:30	07/08/22 16:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:30	07/08/22 16:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/07/22 10:30	07/08/22 16:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 10:30	07/08/22 16:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/07/22 10:30	07/08/22 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	07/07/22 10:30	07/08/22 16:45	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/07/22 10:30	07/08/22 16:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-30 (4.5)

Lab Sample ID: 890-2511-9

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:00	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/08/22 07:29	07/08/22 16:00	1
o-Terphenyl	83		70 - 130				07/08/22 07:29	07/08/22 16:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		5.02		mg/Kg			07/09/22 09:55	1

Client Sample ID: CS-31 (4.5)

Lab Sample ID: 890-2511-10

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 17:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 17:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 17:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/22 10:30	07/08/22 17:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:30	07/08/22 17:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/22 10:30	07/08/22 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/08/22 10:30	07/08/22 17:05	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/08/22 10:30	07/08/22 17:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-31 (4.5)

Lab Sample ID: 890-2511-10

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/08/22 07:29	07/08/22 16:21	1
o-Terphenyl	85		70 - 130				07/08/22 07:29	07/08/22 16:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.00		mg/Kg			07/09/22 10:05	1

Client Sample ID: CS-32 (4.5)

Lab Sample ID: 890-2511-11

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 17:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 17:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 17:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:30	07/08/22 17:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:30	07/08/22 17:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:30	07/08/22 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/08/22 10:30	07/08/22 17:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/08/22 10:30	07/08/22 17:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.4		49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 17:05	1
Diesel Range Organics (Over C10-C28)	71.4		49.9		mg/Kg		07/08/22 07:29	07/08/22 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 17:05	1
Total TPH	71.4		49.9		mg/Kg		07/08/22 07:29	07/08/22 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				07/08/22 07:29	07/08/22 17:05	1
o-Terphenyl	0.06	S1-	70 - 130				07/08/22 07:29	07/08/22 17:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-32 (4.5)

Lab Sample ID: 890-2511-11

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168	F1	4.98		mg/Kg			07/09/22 10:14	1

Client Sample ID: CS-33 (4.5)

Lab Sample ID: 890-2511-12

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 17:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 17:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 17:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 17:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:30	07/08/22 17:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:30	07/08/22 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/08/22 10:30	07/08/22 17:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/08/22 10:30	07/08/22 17:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.0		49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 17:26	1
Diesel Range Organics (Over C10-C28)	71.0		49.9		mg/Kg		07/08/22 07:29	07/08/22 17:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 17:26	1
Total TPH	71.0		49.9		mg/Kg		07/08/22 07:29	07/08/22 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				07/08/22 07:29	07/08/22 17:26	1
o-Terphenyl	0.05	S1-	70 - 130				07/08/22 07:29	07/08/22 17:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		5.05		mg/Kg			07/09/22 10:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-34 (4)

Lab Sample ID: 890-2511-13

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:30	07/08/22 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:30	07/08/22 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:30	07/08/22 18:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/22 10:30	07/08/22 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:30	07/08/22 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/22 10:30	07/08/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/08/22 10:30	07/08/22 18:07	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/08/22 10:30	07/08/22 18:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/08/22 07:29	07/08/22 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 17:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 17:48	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	07/08/22 07:29	07/08/22 17:48	1
o-Terphenyl	90		70 - 130	07/08/22 07:29	07/08/22 17:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		4.98		mg/Kg			07/09/22 10:51	1

Client Sample ID: CS-35 (4)

Lab Sample ID: 890-2511-14

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:22	07/08/22 15:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:22	07/08/22 15:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:22	07/08/22 15:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:22	07/08/22 15:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:22	07/08/22 15:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:22	07/08/22 15:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-35 (4)

Lab Sample ID: 890-2511-14

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:22	07/08/22 15:05	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/08/22 10:22	07/08/22 15:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:09	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	07/08/22 07:29	07/08/22 18:09	1
o-Terphenyl	85		70 - 130	07/08/22 07:29	07/08/22 18:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		5.03		mg/Kg			07/09/22 11:18	1

Client Sample ID: CS-36 (4)

Lab Sample ID: 890-2511-15

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 15:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 15:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 15:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 15:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 15:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:22	07/08/22 15:25	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/08/22 10:22	07/08/22 15:25	1

Method: 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			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-36 (4)

Lab Sample ID: 890-2511-15

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		07/08/22 07:29	07/08/22 18:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 18:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 18:31	1
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	07/08/22 07:29	07/08/22 18:31	1
o-Terphenyl	89		70 - 130	07/08/22 07:29	07/08/22 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.00		mg/Kg			07/09/22 11:28	1

Client Sample ID: CS-37 (4)

Lab Sample ID: 890-2511-16

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 15:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 15:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 15:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/22 10:22	07/08/22 15:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 15:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/22 10:22	07/08/22 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:22	07/08/22 15:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/08/22 10:22	07/08/22 15:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-37 (4)

Lab Sample ID: 890-2511-16

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/08/22 07:29	07/08/22 18:52	1
o-Terphenyl	86		70 - 130				07/08/22 07:29	07/08/22 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		4.96		mg/Kg			07/09/22 11:37	1

Client Sample ID: CS-38 (4)

Lab Sample ID: 890-2511-17

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 16:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 16:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 16:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 16:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 16:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/08/22 10:22	07/08/22 16:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/08/22 10:22	07/08/22 16:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/08/22 07:29	07/08/22 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 19:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 19:14	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				07/08/22 07:29	07/08/22 19:14	1
o-Terphenyl	85		70 - 130				07/08/22 07:29	07/08/22 19:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-38 (4)

Lab Sample ID: 890-2511-17

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		4.97		mg/Kg			07/09/22 11:46	1

Client Sample ID: CS-39 (4)

Lab Sample ID: 890-2511-18

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 16:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 16:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 16:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/08/22 10:22	07/08/22 16:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 16:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/08/22 10:22	07/08/22 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/08/22 10:22	07/08/22 16:26	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/08/22 10:22	07/08/22 16:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		07/08/22 07:29	07/08/22 19:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 19:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 19:35	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:29	07/08/22 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/08/22 07:29	07/08/22 19:35	1
o-Terphenyl	86		70 - 130				07/08/22 07:29	07/08/22 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	174		5.03		mg/Kg			07/09/22 11:55	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-40 (4)

Lab Sample ID: 890-2511-19

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 16:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 16:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 16:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/08/22 10:22	07/08/22 16:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 16:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/08/22 10:22	07/08/22 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/08/22 10:22	07/08/22 16:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/08/22 10:22	07/08/22 16:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		07/08/22 07:29	07/08/22 19:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 19:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 19:57	1
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:29	07/08/22 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	07/08/22 07:29	07/08/22 19:57	1
o-Terphenyl	83		70 - 130	07/08/22 07:29	07/08/22 19:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		5.02		mg/Kg			07/09/22 12:04	1

Client Sample ID: CS-41 (4)

Lab Sample ID: 890-2511-20

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 17:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 17:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 17:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/08/22 10:22	07/08/22 17:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 17:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/08/22 10:22	07/08/22 17:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-41 (4)

Lab Sample ID: 890-2511-20

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	07/08/22 10:22	07/08/22 17:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/08/22 10:22	07/08/22 17:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		07/08/22 07:29	07/08/22 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 20:18	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	07/08/22 07:29	07/08/22 20:18	1
o-Terphenyl	90		70 - 130	07/08/22 07:29	07/08/22 20:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.21		5.00		mg/Kg			07/09/22 12:14	1

Client Sample ID: CS-42 (4)

Lab Sample ID: 890-2511-21

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 17:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 17:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 17:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 17:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 17:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	07/08/22 10:22	07/08/22 17:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/08/22 10:22	07/08/22 17:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-42 (4)

Lab Sample ID: 890-2511-21

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 12:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		07/08/22 07:32	07/08/22 12:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 12:25	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				07/08/22 07:32	07/08/22 12:25	1
o-Terphenyl	88		70 - 130				07/08/22 07:32	07/08/22 12:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		5.04		mg/Kg			07/09/22 13:27	1

Client Sample ID: CS-43 (4)

Lab Sample ID: 890-2511-22

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/08/22 10:22	07/08/22 19:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/08/22 10:22	07/08/22 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/08/22 10:22	07/08/22 19:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/08/22 10:22	07/08/22 19:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 13:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 13:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 13:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-43 (4)

Lab Sample ID: 890-2511-22

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/08/22 07:32	07/08/22 13:29	1
o-Terphenyl	74		70 - 130				07/08/22 07:32	07/08/22 13:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.82		4.95		mg/Kg			07/09/22 13:55	1

Client Sample ID: CS-44 (4)

Lab Sample ID: 890-2511-23

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 19:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 19:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/08/22 10:22	07/08/22 19:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/08/22 10:22	07/08/22 19:39	1

Method: 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			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 13:50	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				07/08/22 07:32	07/08/22 13:50	1
o-Terphenyl	79		70 - 130				07/08/22 07:32	07/08/22 13:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-44 (4)

Lab Sample ID: 890-2511-23

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		4.99		mg/Kg			07/09/22 14:04	1

Client Sample ID: CS-45 (4)

Lab Sample ID: 890-2511-24

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 20:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/08/22 10:22	07/08/22 20:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/08/22 10:22	07/08/22 20:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 14:12	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				07/08/22 07:32	07/08/22 14:12	1
o-Terphenyl	74		70 - 130				07/08/22 07:32	07/08/22 14:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		5.00		mg/Kg			07/09/22 14:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-46 (4)

Lab Sample ID: 890-2511-25

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 20:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 20:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 20:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/08/22 10:22	07/08/22 20:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 20:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/08/22 10:22	07/08/22 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/08/22 10:22	07/08/22 20:20	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/08/22 10:22	07/08/22 20:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/08/22 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 14:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 14:34	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	07/08/22 07:32	07/08/22 14:34	1
o-Terphenyl	69	S1-	70 - 130	07/08/22 07:32	07/08/22 14:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.1		4.96		mg/Kg			07/09/22 14:23	1

Client Sample ID: CS-47 (4)

Lab Sample ID: 890-2511-26

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 20:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 20:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 20:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-47 (4)

Lab Sample ID: 890-2511-26

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/08/22 10:22	07/08/22 20:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/08/22 10:22	07/08/22 20:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 14:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 14:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 14:55	1
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	07/08/22 07:32	07/08/22 14:55	1
o-Terphenyl	76		70 - 130	07/08/22 07:32	07/08/22 14:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		4.95		mg/Kg			07/09/22 14:50	1

Client Sample ID: CS-48 (4)

Lab Sample ID: 890-2511-27

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 21:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 21:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 21:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/08/22 10:22	07/08/22 21:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:22	07/08/22 21:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/08/22 10:22	07/08/22 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/08/22 10:22	07/08/22 21:01	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/08/22 10:22	07/08/22 21:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-48 (4)

Lab Sample ID: 890-2511-27

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 15:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 15:17	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	07/08/22 07:32	07/08/22 15:17	1
o-Terphenyl	71		70 - 130	07/08/22 07:32	07/08/22 15:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.6		5.01		mg/Kg			07/09/22 14:59	1

Client Sample ID: CS-49 (4)

Lab Sample ID: 890-2511-28

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 21:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 21:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 21:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/22 10:22	07/08/22 21:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 21:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/22 10:22	07/08/22 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:22	07/08/22 21:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/08/22 10:22	07/08/22 21:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 15:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 15:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-49 (4)

Lab Sample ID: 890-2511-28

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/08/22 07:32	07/08/22 15:38	1
o-Terphenyl	80		70 - 130				07/08/22 07:32	07/08/22 15:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		4.97		mg/Kg			07/09/22 15:09	1

Client Sample ID: CS-50 (4)

Lab Sample ID: 890-2511-29

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 21:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 21:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 21:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/22 10:22	07/08/22 21:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:22	07/08/22 21:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/22 10:22	07/08/22 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/08/22 10:22	07/08/22 21:42	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/08/22 10:22	07/08/22 21:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 16:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 16:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 16:00	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/08/22 07:32	07/08/22 16:00	1
o-Terphenyl	72		70 - 130				07/08/22 07:32	07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-50 (4)

Lab Sample ID: 890-2511-29

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		4.98		mg/Kg			07/09/22 15:18	1

Client Sample ID: CS-51 (4)

Lab Sample ID: 890-2511-30

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 22:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 22:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 22:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 22:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				07/08/22 10:22	07/08/22 22:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130				07/08/22 10:22	07/08/22 22:02	1

Method: 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			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 16:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 16:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 16:21	1
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/08/22 07:32	07/08/22 16:21	1
o-Terphenyl	71		70 - 130				07/08/22 07:32	07/08/22 16:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.6		5.00		mg/Kg			07/09/22 15:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-199 (4.5)

Lab Sample ID: 890-2511-31

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 22:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 22:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 22:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 22:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:22	07/08/22 22:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:22	07/08/22 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:22	07/08/22 22:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/08/22 10:22	07/08/22 22:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:05	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	07/08/22 07:32	07/08/22 17:05	1
o-Terphenyl	73		70 - 130	07/08/22 07:32	07/08/22 17:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		4.99		mg/Kg			07/09/22 15:36	1

Client Sample ID: CS-200 (4)

Lab Sample ID: 890-2511-32

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		07/08/22 10:35	07/08/22 12:27	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		07/08/22 10:35	07/08/22 12:27	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		07/08/22 10:35	07/08/22 12:27	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		07/08/22 10:35	07/08/22 12:27	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		07/08/22 10:35	07/08/22 12:27	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		07/08/22 10:35	07/08/22 12:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-200 (4)

Lab Sample ID: 890-2511-32

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/08/22 10:35	07/08/22 12:27	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/08/22 10:35	07/08/22 12:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 17:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 17:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 17:26	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	07/08/22 07:32	07/08/22 17:26	1
o-Terphenyl	81		70 - 130	07/08/22 07:32	07/08/22 17:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.7		5.00		mg/Kg			07/09/22 16:04	1

Client Sample ID: CS-201 (4)

Lab Sample ID: 890-2511-33

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 12:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 12:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 12:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/08/22 10:35	07/08/22 12:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 12:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/08/22 10:35	07/08/22 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/08/22 10:35	07/08/22 12:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/08/22 10:35	07/08/22 12:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-201 (4)

Lab Sample ID: 890-2511-33

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:48	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/08/22 07:32	07/08/22 17:48	1
o-Terphenyl	79		70 - 130				07/08/22 07:32	07/08/22 17:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.0		4.97		mg/Kg			07/09/22 16:13	1

Client Sample ID: CS-202 (4)

Lab Sample ID: 890-2511-34

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 13:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 13:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 13:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/22 10:35	07/08/22 13:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 13:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/22 10:35	07/08/22 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/08/22 10:35	07/08/22 13:20	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/08/22 10:35	07/08/22 13:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 18:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 18:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 18:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-202 (4)

Lab Sample ID: 890-2511-34

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/08/22 07:32	07/08/22 18:09	1
o-Terphenyl	84		70 - 130				07/08/22 07:32	07/08/22 18:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		4.95		mg/Kg			07/09/22 16:41	1

Client Sample ID: CS-203 (4)

Lab Sample ID: 890-2511-35

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 13:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 13:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 13:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:35	07/08/22 13:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 13:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:35	07/08/22 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/08/22 10:35	07/08/22 13:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/08/22 10:35	07/08/22 13:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 18:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 18:31	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				07/08/22 07:32	07/08/22 18:31	1
o-Terphenyl	80		70 - 130				07/08/22 07:32	07/08/22 18:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-203 (4)

Lab Sample ID: 890-2511-35

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.79		5.01		mg/Kg			07/09/22 16:50	1

Client Sample ID: SW-8 (4.5)

Lab Sample ID: 890-2511-36

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 14:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:35	07/08/22 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 14:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:35	07/08/22 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/08/22 10:35	07/08/22 14:12	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/08/22 10:35	07/08/22 14:12	1

Method: 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			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 18:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 18:52	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				07/08/22 07:32	07/08/22 18:52	1
o-Terphenyl	70		70 - 130				07/08/22 07:32	07/08/22 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.8		4.97		mg/Kg			07/09/22 16:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-9 (4.5)

Lab Sample ID: 890-2511-37

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 14:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 14:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 14:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:35	07/08/22 14:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 14:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:35	07/08/22 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/08/22 10:35	07/08/22 14:39	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/08/22 10:35	07/08/22 14:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:14	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130	07/08/22 07:32	07/08/22 19:14	1
o-Terphenyl	63	S1-	70 - 130	07/08/22 07:32	07/08/22 19:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.84		4.95		mg/Kg			07/09/22 17:08	1

Client Sample ID: SW-10 (4.5)

Lab Sample ID: 890-2511-38

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 15:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 15:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 15:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/08/22 10:35	07/08/22 15:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 15:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/08/22 10:35	07/08/22 15:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-10 (4.5)

Lab Sample ID: 890-2511-38

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/08/22 10:35	07/08/22 15:05	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/08/22 10:35	07/08/22 15:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 19:35	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	07/08/22 07:32	07/08/22 19:35	1
o-Terphenyl	78		70 - 130	07/08/22 07:32	07/08/22 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.6		4.98		mg/Kg			07/09/22 17:18	1

Client Sample ID: SW-11 (4.5)

Lab Sample ID: 890-2511-39

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:35	07/08/22 15:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:35	07/08/22 15:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:35	07/08/22 15:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/08/22 10:35	07/08/22 15:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/08/22 10:35	07/08/22 15:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/08/22 10:35	07/08/22 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/08/22 10:35	07/08/22 15:31	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/08/22 10:35	07/08/22 15:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/08/22 16:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-11 (4.5)

Lab Sample ID: 890-2511-39

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4.5

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:57	1
Total TPH	<49.9	U	49.9		mg/Kg		07/08/22 07:32	07/08/22 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	07/08/22 07:32	07/08/22 19:57	1
o-Terphenyl	78		70 - 130	07/08/22 07:32	07/08/22 19:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		4.95		mg/Kg			07/09/22 17:27	1

Client Sample ID: SW-14 (4)

Lab Sample ID: 890-2511-40

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 15:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 15:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 15:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:35	07/08/22 15:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 15:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:35	07/08/22 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/08/22 10:35	07/08/22 15:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/08/22 10:35	07/08/22 15:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 20:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 20:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 20:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-14 (4)

Lab Sample ID: 890-2511-40

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:32	07/08/22 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				07/08/22 07:32	07/08/22 20:18	1
o-Terphenyl	78		70 - 130				07/08/22 07:32	07/08/22 20:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.02		mg/Kg			07/09/22 17:36	1

Client Sample ID: SW-15 (4)

Lab Sample ID: 890-2511-41

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 16:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 16:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 16:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/08/22 10:35	07/08/22 16:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/08/22 10:35	07/08/22 16:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/08/22 10:35	07/08/22 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				07/08/22 10:35	07/08/22 16:23	1
1,4-Difluorobenzene (Surr)	83		70 - 130				07/08/22 10:35	07/08/22 16:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		07/08/22 07:35	07/10/22 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 13:28	1
Total TPH	<50.0	U F1	50.0		mg/Kg		07/08/22 07:35	07/10/22 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				07/08/22 07:35	07/10/22 13:28	1
o-Terphenyl	80		70 - 130				07/08/22 07:35	07/10/22 13:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-15 (4)

Lab Sample ID: 890-2511-41

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		5.04		mg/Kg			07/09/22 06:05	1

Client Sample ID: SW-16 (4)

Lab Sample ID: 890-2511-42

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 18:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 18:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 18:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/08/22 10:35	07/08/22 18:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/08/22 10:35	07/08/22 18:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/08/22 10:35	07/08/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/08/22 10:35	07/08/22 18:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/08/22 10:35	07/08/22 18:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/08/22 07:35	07/10/22 14:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/08/22 07:35	07/10/22 14:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/08/22 07:35	07/10/22 14:32	1
Total TPH	<49.8	U	49.8		mg/Kg		07/08/22 07:35	07/10/22 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				07/08/22 07:35	07/10/22 14:32	1
o-Terphenyl	76		70 - 130				07/08/22 07:35	07/10/22 14:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.90		4.99		mg/Kg			07/09/22 06:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-17 (4)

Lab Sample ID: 890-2511-43

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 18:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 18:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 18:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/08/22 10:35	07/08/22 18:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/08/22 10:35	07/08/22 18:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/08/22 10:35	07/08/22 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	07/08/22 10:35	07/08/22 18:39	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/08/22 10:35	07/08/22 18:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/08/22 16:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/11/22 08:30	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 14:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 14:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 14:53	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	07/08/22 07:35	07/10/22 14:53	1
o-Terphenyl	87		70 - 130	07/08/22 07:35	07/10/22 14:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.4		5.02		mg/Kg			07/09/22 06:42	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

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)
820-4878-A-1-A MS	Matrix Spike	115	100
820-4878-A-1-B MSD	Matrix Spike Duplicate	112	104
890-2509-A-1-A MS	Matrix Spike	111	103
890-2509-A-1-B MSD	Matrix Spike Duplicate	117	100
890-2511-1	CS-22 (4.5)	110	97
890-2511-2	CS-23 (4.5)	102	81
890-2511-3	CS-24 (4.5)	109	89
890-2511-4	CS-25 (4.5)	115	85
890-2511-5	CS-26 (4.5)	121	94
890-2511-6	CS-27 (4.5)	113	94
890-2511-7	CS-28 (4.5)	107	111
890-2511-8	CS-29 (4.5)	113	94
890-2511-9	CS-30 (4.5)	96	87
890-2511-10	CS-31 (4.5)	110	94
890-2511-11	CS-32 (4.5)	106	98
890-2511-12	CS-33 (4.5)	96	88
890-2511-13	CS-34 (4)	97	88
890-2511-14	CS-35 (4)	115	92
890-2511-15	CS-36 (4)	115	95
890-2511-16	CS-37 (4)	115	102
890-2511-17	CS-38 (4)	115	100
890-2511-18	CS-39 (4)	115	97
890-2511-19	CS-40 (4)	121	100
890-2511-20	CS-41 (4)	121	102
890-2511-21	CS-42 (4)	114	102
890-2511-22	CS-43 (4)	109	98
890-2511-23	CS-44 (4)	112	100
890-2511-24	CS-45 (4)	113	98
890-2511-25	CS-46 (4)	117	102
890-2511-26	CS-47 (4)	113	99
890-2511-27	CS-48 (4)	116	93
890-2511-28	CS-49 (4)	115	100
890-2511-29	CS-50 (4)	114	98
890-2511-30	CS-51 (4)	122	102
890-2511-31	CS-199 (4.5)	115	100
890-2511-32	CS-200 (4)	101	96
890-2511-32 MS	CS-200 (4)	106	96
890-2511-32 MSD	CS-200 (4)	111	104
890-2511-33	CS-201 (4)	106	86
890-2511-34	CS-202 (4)	113	89
890-2511-35	CS-203 (4)	96	88
890-2511-36	SW-8 (4.5)	116	86
890-2511-37	SW-9 (4.5)	117	89
890-2511-38	SW-10 (4.5)	115	92
890-2511-39	SW-11 (4.5)	97	82
890-2511-40	SW-14 (4)	113	89
890-2511-41	SW-15 (4)	99	83
890-2511-42	SW-16 (4)	110	89
890-2511-43	SW-17 (4)	119	96

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-2511-1

Project/Site: Cosmo Booster

SDG: 1028

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)
LCS 880-29210/1-A	Lab Control Sample	107	99
LCS 880-29279/1-A	Lab Control Sample	108	101
LCS 880-29280/1-A	Lab Control Sample	104	96
LCSD 880-29210/2-A	Lab Control Sample Dup	108	102
LCSD 880-29279/2-A	Lab Control Sample Dup	114	97
LCSD 880-29280/2-A	Lab Control Sample Dup	107	90
MB 880-29210/5-A	Method Blank	102	92
MB 880-29279/5-A	Method Blank	103	100
MB 880-29280/5-A	Method Blank	79	89
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)
890-2511-1	CS-22 (4.5)	81	91
890-2511-1 MS	CS-22 (4.5)	97	100
890-2511-1 MSD	CS-22 (4.5)	95	98
890-2511-2	CS-23 (4.5)	92	97
890-2511-3	CS-24 (4.5)	85	93
890-2511-4	CS-25 (4.5)	83	91
890-2511-5	CS-26 (4.5)	93	104
890-2511-6	CS-27 (4.5)	79	89
890-2511-7	CS-28 (4.5)	82	91
890-2511-8	CS-29 (4.5)	79	88
890-2511-9	CS-30 (4.5)	77	83
890-2511-10	CS-31 (4.5)	77	85
890-2511-11	CS-32 (4.5)	78	0.06 S1-
890-2511-12	CS-33 (4.5)	78	0.05 S1-
890-2511-13	CS-34 (4)	80	90
890-2511-14	CS-35 (4)	77	85
890-2511-15	CS-36 (4)	81	89
890-2511-16	CS-37 (4)	77	86
890-2511-17	CS-38 (4)	76	85
890-2511-18	CS-39 (4)	77	86
890-2511-19	CS-40 (4)	77	83
890-2511-20	CS-41 (4)	81	90
890-2511-21	CS-42 (4)	82	88
890-2511-21 MS	CS-42 (4)	82	75
890-2511-21 MSD	CS-42 (4)	87	78
890-2511-22	CS-43 (4)	77	74
890-2511-23	CS-44 (4)	78	79
890-2511-24	CS-45 (4)	73	74
890-2511-25	CS-46 (4)	73	69 S1-
890-2511-26	CS-47 (4)	75	76
890-2511-27	CS-48 (4)	73	71

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Surrogate Summary

Client: Carmona Resources

Job ID: 890-2511-1

Project/Site: Cosmo Booster

SDG: 1028

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)
890-2511-28	CS-49 (4)	79	80
890-2511-29	CS-50 (4)	74	72
890-2511-30	CS-51 (4)	74	71
890-2511-31	CS-199 (4.5)	71	73
890-2511-32	CS-200 (4)	80	81
890-2511-33	CS-201 (4)	79	79
890-2511-34	CS-202 (4)	83	84
890-2511-35	CS-203 (4)	78	80
890-2511-36	SW-8 (4.5)	72	70
890-2511-37	SW-9 (4.5)	64 S1-	63 S1-
890-2511-38	SW-10 (4.5)	76	78
890-2511-39	SW-11 (4.5)	80	78
890-2511-40	SW-14 (4)	76	78
890-2511-41	SW-15 (4)	78	80
890-2511-41 MS	SW-15 (4)	80	78
890-2511-41 MSD	SW-15 (4)	79	77
890-2511-42	SW-16 (4)	73	76
890-2511-43	SW-17 (4)	88	87
LCS 880-29256/2-A	Lab Control Sample	105	115
LCS 880-29257/2-A	Lab Control Sample	83	90
LCS 880-29258/2-A	Lab Control Sample	84	90
LCSD 880-29256/3-A	Lab Control Sample Dup	83	92
LCSD 880-29257/3-A	Lab Control Sample Dup	74	82
MB 880-29256/1-A	Method Blank	103	118
MB 880-29257/1-A	Method Blank	89	101
MB 880-29258/1-A	Method Blank	91	99

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
LCSD 880-29258/3-A	Lab Control Sample Dup		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29210/5-A

Matrix: Solid

Analysis Batch: 29260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:06	07/08/22 11:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:06	07/08/22 11:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:06	07/08/22 11:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/07/22 14:06	07/08/22 11:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/07/22 14:06	07/08/22 11:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/07/22 14:06	07/08/22 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/07/22 14:06	07/08/22 11:15	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/07/22 14:06	07/08/22 11:15	1

Lab Sample ID: LCS 880-29210/1-A

Matrix: Solid

Analysis Batch: 29260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09922		mg/Kg		99	70 - 130
Toluene	0.100	0.09854		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-29210/2-A

Matrix: Solid

Analysis Batch: 29260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29210

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1065		mg/Kg		106	70 - 130	7	35
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	5	35
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130	5	35
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 820-4878-A-1-A MS

Matrix: Solid

Analysis Batch: 29260

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.08869		mg/Kg		88	70 - 130
Toluene	<0.00200	U	0.101	0.08726		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-4878-A-1-A MS

Matrix: Solid

Analysis Batch: 29260

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00925		0.101	0.09060		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.00574		0.202	0.1843		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.101	0.08768		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 820-4878-A-1-B MSD

Matrix: Solid

Analysis Batch: 29260

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29210

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09840		mg/Kg		98	70 - 130	10	35
Toluene	<0.00200	U	0.100	0.08736		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.00925		0.100	0.08793		mg/Kg		79	70 - 130	3	35
m-Xylene & p-Xylene	0.00574		0.200	0.1713		mg/Kg		83	70 - 130	7	35
o-Xylene	<0.00200	U	0.100	0.08417		mg/Kg		84	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-29279/5-A

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 12:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 12:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 12:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 12:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:22	07/08/22 12:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:22	07/08/22 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/08/22 10:22	07/08/22 12:34	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/08/22 10:22	07/08/22 12:34	1

Lab Sample ID: LCS 880-29279/1-A

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09984		mg/Kg		100	70 - 130
Toluene	0.100	0.1050		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09129		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1849		mg/Kg		92	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-29279/1-A

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-29279/2-A

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29279

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09399		mg/Kg		94	70 - 130	6	35
Toluene	0.100	0.1093		mg/Kg		109	70 - 130	4	35
Ethylbenzene	0.100	0.09641		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130	7	35
o-Xylene	0.100	0.1133		mg/Kg		113	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-2509-A-1-A MS

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1007		mg/Kg		100	70 - 130
Toluene	<0.00199	U	0.101	0.1055		mg/Kg		105	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.09155		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1858		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.101	0.1046		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-2509-A-1-B MSD

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09402		mg/Kg		94	70 - 130	7	35
Toluene	<0.00199	U	0.100	0.1022		mg/Kg		102	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.08921		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1823		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1031		mg/Kg		103	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2509-A-1-B MSD

Matrix: Solid

Analysis Batch: 29259

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29279

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-29280/5-A

Matrix: Solid

Analysis Batch: 29261

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29280

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 11:59	1	
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 11:59	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 11:59	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/22 10:35	07/08/22 11:59	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/22 10:35	07/08/22 11:59	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/22 10:35	07/08/22 11:59	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				07/08/22 10:35	07/08/22 11:59	1	
1,4-Difluorobenzene (Surr)	89		70 - 130				07/08/22 10:35	07/08/22 11:59	1	

Lab Sample ID: LCS 880-29280/1-A

Matrix: Solid

Analysis Batch: 29261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29280

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.07977		mg/Kg		80	70 - 130			
Toluene	0.100	0.07952		mg/Kg		80	70 - 130			
Ethylbenzene	0.100	0.07612		mg/Kg		76	70 - 130			
m-Xylene & p-Xylene	0.200	0.1554		mg/Kg		78	70 - 130			
o-Xylene	0.100	0.08732		mg/Kg		87	70 - 130			

	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	104		70 - 130							
1,4-Difluorobenzene (Surr)	96		70 - 130							

Lab Sample ID: LCSD 880-29280/2-A

Matrix: Solid

Analysis Batch: 29261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29280

			Spike	LCSD	LCSD						%Rec	RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene			0.100	0.07993		mg/Kg		80	70 - 130	0	35	
Toluene			0.100	0.08333		mg/Kg		83	70 - 130	5	35	
Ethylbenzene			0.100	0.08287		mg/Kg		83	70 - 130	8	35	
m-Xylene & p-Xylene			0.200	0.1686		mg/Kg		84	70 - 130	8	35	
o-Xylene			0.100	0.09311		mg/Kg		93	70 - 130	6	35	
			LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	107		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-29280/2-A

Matrix: Solid

Analysis Batch: 29261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29280

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-2511-32 MS

Matrix: Solid

Analysis Batch: 29261

Client Sample ID: CS-200 (4)

Prep Type: Total/NA

Prep Batch: 29280

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U F1	0.0996	0.06174	F1	mg/Kg		62	70 - 130
Toluene	<0.00201	U F1	0.0996	0.05684	F1	mg/Kg		57	70 - 130
Ethylbenzene	<0.00201	U F1	0.0996	0.05617	F1	mg/Kg		56	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.199	0.01153	F1	mg/Kg		6	70 - 130
o-Xylene	<0.00201	U F1	0.0996	0.06694	F1	mg/Kg		67	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-2511-32 MSD

Matrix: Solid

Analysis Batch: 29261

Client Sample ID: CS-200 (4)

Prep Type: Total/NA

Prep Batch: 29280

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.101	0.05619	F1	mg/Kg		56	70 - 130	9	35
Toluene	<0.00201	U F1	0.101	0.05014	F1	mg/Kg		50	70 - 130	13	35
Ethylbenzene	<0.00201	U F1	0.101	0.05197	F1	mg/Kg		52	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.201	0.1017	F2 F1	mg/Kg		51	70 - 130	159	35
o-Xylene	<0.00201	U F1	0.101	0.05861	F1	mg/Kg		58	70 - 130	13	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-29256/1-A

Matrix: Solid

Analysis Batch: 29248

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29256

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 10:28		1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 10:28		1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 10:28		1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:29	07/08/22 10:28		1

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	103		70 - 130	07/08/22 07:29	07/08/22 10:28		1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-29256/1-A

Matrix: Solid

Analysis Batch: 29248

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29256

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
<i>o</i> -Terphenyl	118		70 - 130	07/08/22 07:29	07/08/22 10:28	1				

Lab Sample ID: LCS 880-29256/2-A

Matrix: Solid

Analysis Batch: 29248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29256

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1110		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	937.2		mg/Kg		94	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
<i>o</i> -Terphenyl	115		70 - 130								

Lab Sample ID: LCSD 880-29256/3-A

Matrix: Solid

Analysis Batch: 29248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29256

			Spike	LCSD	LCSD				%Rec			RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	887.9	*1	mg/Kg		89	70 - 130	22	20		
Diesel Range Organics (Over C10-C28)			1000	842.1		mg/Kg		84	70 - 130	11	20		
Surrogate	%Recovery	Qualifier	Limits										
1-Chlorooctane	83		70 - 130										
<i>o</i> -Terphenyl	92		70 - 130										

Lab Sample ID: 890-2511-1 MS

Matrix: Solid

Analysis Batch: 29248

Client Sample ID: CS-22 (4.5)

Prep Type: Total/NA

Prep Batch: 29256

	Sample	Sample	Spike	MS	MS				%Rec				
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits				
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	998	792.1		mg/Kg		79	70 - 130				
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	713.7		mg/Kg		70	70 - 130				
Surrogate	%Recovery	Qualifier	Limits										
1-Chlorooctane	97		70 - 130										
<i>o</i> -Terphenyl	100		70 - 130										

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2511-1 MSD

Matrix: Solid

Analysis Batch: 29248

Client Sample ID: CS-22 (4.5)

Prep Type: Total/NA

Prep Batch: 29256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	998	745.1		mg/Kg		75	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	702.0	F1	mg/Kg		69	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	98		70 - 130								

Lab Sample ID: MB 880-29257/1-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 10:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 10:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 10:28	1
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:32	07/08/22 10:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/08/22 07:32	07/08/22 10:28	1
o-Terphenyl	101		70 - 130				07/08/22 07:32	07/08/22 10:28	1

Lab Sample ID: LCS 880-29257/2-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	971.5		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	759.0		mg/Kg		76	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	83		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: LCSD 880-29257/3-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	907.5		mg/Kg		91	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	701.6		mg/Kg		70	70 - 130	8	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-29257/3-A

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29257

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-2511-21 MS

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: CS-42 (4)

Prep Type: Total/NA

Prep Batch: 29257

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	896.0		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	680.1	F1	mg/Kg		66	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	82		70 - 130							
o-Terphenyl	75		70 - 130							

Lab Sample ID: 890-2511-21 MSD

Matrix: Solid

Analysis Batch: 29250

Client Sample ID: CS-42 (4)

Prep Type: Total/NA

Prep Batch: 29257

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	983.6		mg/Kg		96	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	706.4	F1	mg/Kg		68	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	87		70 - 130									
o-Terphenyl	78		70 - 130									

Lab Sample ID: MB 880-29258/1-A

Matrix: Solid

Analysis Batch: 29361

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29258

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 12:25	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 12:25	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 12:25	1		
Total TPH	<50.0	U	50.0		mg/Kg		07/08/22 07:35	07/10/22 12:25	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	91		70 - 130				07/08/22 07:35	07/10/22 12:25	1		
o-Terphenyl	99		70 - 130				07/08/22 07:35	07/10/22 12:25	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-29258/2-A

Matrix: Solid

Analysis Batch: 29361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29258

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	852.7		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	846.6		mg/Kg		85	70 - 130		
					</						

Lab Sample ID: LCSD 880-29258/3-A

Matrix: Solid

Analysis Batch: 29361

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29258

			Spike	LCSD	LCSD				%Rec			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1051		mg/Kg						
Diesel Range Organics (Over C10-C28)			1000	884.9		mg/Kg						
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane												
o-Terphenyl												

Lab Sample ID: 890-2511-41 MS

Matrix: Solid

Analysis Batch: 29361

Client Sample ID: SW-15 (4)

Prep Type: Total/NA

Prep Batch: 29258

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	775.8		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	618.2	F1	mg/Kg		60	70 - 130		
		</									

Lab Sample ID: 890-2511-41 MSD

Matrix: Solid

Analysis Batch: 29361

Client Sample ID: SW-15 (4)

Prep Type: Total/NA

Prep Batch: 29258

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	701.7		mg/Kg		70	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	615.8	F1	mg/Kg		60	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	79		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2511-41 MSD

Matrix: Solid

Analysis Batch: 29361

Client Sample ID: SW-15 (4)

Prep Type: Total/NA

Prep Batch: 29258

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	77		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29244/1-A

Matrix: Solid

Analysis Batch: 29320

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			07/09/22 02:52		1

Lab Sample ID: LCS 880-29244/2-A

Matrix: Solid

Analysis Batch: 29320

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	238.7		mg/Kg		95	90 - 110	

Lab Sample ID: LCSD 880-29244/3-A

Matrix: Solid

Analysis Batch: 29320

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	238.3		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-2462-A-23-H MS

Matrix: Solid

Analysis Batch: 29320

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1570	F1	1250	3033	F1	mg/Kg		118	90 - 110	

Lab Sample ID: 890-2462-A-23-I MSD

Matrix: Solid

Analysis Batch: 29320

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1570	F1	1250	3033	F1	mg/Kg		118	90 - 110	0	20

Lab Sample ID: MB 880-29285/1-A

Matrix: Solid

Analysis Batch: 29321

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			07/09/22 07:37		1

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-29285/2-A

Matrix: Solid

Analysis Batch: 29321

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-29285/3-A

Matrix: Solid

Analysis Batch: 29321

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	257.7		mg/Kg		103	90 - 110	7	20

Lab Sample ID: 890-2511-1 MS

Matrix: Solid

Analysis Batch: 29321

Client Sample ID: CS-22 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	156		248	414.7		mg/Kg		104	90 - 110

Lab Sample ID: 890-2511-1 MSD

Matrix: Solid

Analysis Batch: 29321

Client Sample ID: CS-22 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	156		248	420.3		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 890-2511-11 MS

Matrix: Solid

Analysis Batch: 29321

Client Sample ID: CS-32 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	168	F1	249	431.0		mg/Kg		106	90 - 110

Lab Sample ID: 890-2511-11 MSD

Matrix: Solid

Analysis Batch: 29321

Client Sample ID: CS-32 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	168	F1	249	443.0	F1	mg/Kg		111	90 - 110	3	20

Lab Sample ID: MB 880-29292/1-A

Matrix: Solid

Analysis Batch: 29322

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			07/09/22 13:00	1

Lab Sample ID: LCS 880-29292/2-A

Matrix: Solid

Analysis Batch: 29322

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.1		mg/Kg		98	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-29292/3-A

Matrix: Solid

Analysis Batch: 29322

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	244.0		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-2511-21 MS

Matrix: Solid

Analysis Batch: 29322

Client Sample ID: CS-42 (4)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	56.1		252	330.1		mg/Kg		109	90 - 110		

Lab Sample ID: 890-2511-21 MSD

Matrix: Solid

Analysis Batch: 29322

Client Sample ID: CS-42 (4)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.1		252	330.4		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-2511-31 MS

Matrix: Solid

Analysis Batch: 29322

Client Sample ID: CS-199 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	167		250	433.9		mg/Kg		107	90 - 110		

Lab Sample ID: 890-2511-31 MSD

Matrix: Solid

Analysis Batch: 29322

Client Sample ID: CS-199 (4.5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	167		250	433.2		mg/Kg		107	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC VOA

Prep Batch: 29210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Total/NA	Solid	5035	
890-2511-2	CS-23 (4.5)	Total/NA	Solid	5035	
890-2511-3	CS-24 (4.5)	Total/NA	Solid	5035	
890-2511-4	CS-25 (4.5)	Total/NA	Solid	5035	
890-2511-5	CS-26 (4.5)	Total/NA	Solid	5035	
890-2511-6	CS-27 (4.5)	Total/NA	Solid	5035	
890-2511-7	CS-28 (4.5)	Total/NA	Solid	5035	
890-2511-8	CS-29 (4.5)	Total/NA	Solid	5035	
890-2511-9	CS-30 (4.5)	Total/NA	Solid	5035	
890-2511-10	CS-31 (4.5)	Total/NA	Solid	5035	
890-2511-11	CS-32 (4.5)	Total/NA	Solid	5035	
890-2511-12	CS-33 (4.5)	Total/NA	Solid	5035	
890-2511-13	CS-34 (4)	Total/NA	Solid	5035	
MB 880-29210/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29210/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29210/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-4878-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
820-4878-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 29259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-14	CS-35 (4)	Total/NA	Solid	8021B	29279
890-2511-15	CS-36 (4)	Total/NA	Solid	8021B	29279
890-2511-16	CS-37 (4)	Total/NA	Solid	8021B	29279
890-2511-17	CS-38 (4)	Total/NA	Solid	8021B	29279
890-2511-18	CS-39 (4)	Total/NA	Solid	8021B	29279
890-2511-19	CS-40 (4)	Total/NA	Solid	8021B	29279
890-2511-20	CS-41 (4)	Total/NA	Solid	8021B	29279
890-2511-21	CS-42 (4)	Total/NA	Solid	8021B	29279
890-2511-22	CS-43 (4)	Total/NA	Solid	8021B	29279
890-2511-23	CS-44 (4)	Total/NA	Solid	8021B	29279
890-2511-24	CS-45 (4)	Total/NA	Solid	8021B	29279
890-2511-25	CS-46 (4)	Total/NA	Solid	8021B	29279
890-2511-26	CS-47 (4)	Total/NA	Solid	8021B	29279
890-2511-27	CS-48 (4)	Total/NA	Solid	8021B	29279
890-2511-28	CS-49 (4)	Total/NA	Solid	8021B	29279
890-2511-29	CS-50 (4)	Total/NA	Solid	8021B	29279
890-2511-30	CS-51 (4)	Total/NA	Solid	8021B	29279
890-2511-31	CS-199 (4.5)	Total/NA	Solid	8021B	29279
MB 880-29279/5-A	Method Blank	Total/NA	Solid	8021B	29279
LCS 880-29279/1-A	Lab Control Sample	Total/NA	Solid	8021B	29279
LCSD 880-29279/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29279
890-2509-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	29279
890-2509-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29279

Analysis Batch: 29260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Total/NA	Solid	8021B	29210
890-2511-2	CS-23 (4.5)	Total/NA	Solid	8021B	29210
890-2511-3	CS-24 (4.5)	Total/NA	Solid	8021B	29210
890-2511-4	CS-25 (4.5)	Total/NA	Solid	8021B	29210

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC VOA (Continued)

Analysis Batch: 29260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-5	CS-26 (4.5)	Total/NA	Solid	8021B	29210
890-2511-6	CS-27 (4.5)	Total/NA	Solid	8021B	29210
890-2511-7	CS-28 (4.5)	Total/NA	Solid	8021B	29210
890-2511-8	CS-29 (4.5)	Total/NA	Solid	8021B	29210
890-2511-9	CS-30 (4.5)	Total/NA	Solid	8021B	29210
890-2511-10	CS-31 (4.5)	Total/NA	Solid	8021B	29210
890-2511-11	CS-32 (4.5)	Total/NA	Solid	8021B	29210
890-2511-12	CS-33 (4.5)	Total/NA	Solid	8021B	29210
890-2511-13	CS-34 (4)	Total/NA	Solid	8021B	29210
MB 880-29210/5-A	Method Blank	Total/NA	Solid	8021B	29210
LCS 880-29210/1-A	Lab Control Sample	Total/NA	Solid	8021B	29210
LCSD 880-29210/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29210
820-4878-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	29210
820-4878-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29210

Analysis Batch: 29261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-32	CS-200 (4)	Total/NA	Solid	8021B	29280
890-2511-33	CS-201 (4)	Total/NA	Solid	8021B	29280
890-2511-34	CS-202 (4)	Total/NA	Solid	8021B	29280
890-2511-35	CS-203 (4)	Total/NA	Solid	8021B	29280
890-2511-36	SW-8 (4.5)	Total/NA	Solid	8021B	29280
890-2511-37	SW-9 (4.5)	Total/NA	Solid	8021B	29280
890-2511-38	SW-10 (4.5)	Total/NA	Solid	8021B	29280
890-2511-39	SW-11 (4.5)	Total/NA	Solid	8021B	29280
890-2511-40	SW-14 (4)	Total/NA	Solid	8021B	29280
890-2511-41	SW-15 (4)	Total/NA	Solid	8021B	29280
890-2511-42	SW-16 (4)	Total/NA	Solid	8021B	29280
890-2511-43	SW-17 (4)	Total/NA	Solid	8021B	29280
MB 880-29280/5-A	Method Blank	Total/NA	Solid	8021B	29280
LCS 880-29280/1-A	Lab Control Sample	Total/NA	Solid	8021B	29280
LCSD 880-29280/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29280
890-2511-32 MS	CS-200 (4)	Total/NA	Solid	8021B	29280
890-2511-32 MSD	CS-200 (4)	Total/NA	Solid	8021B	29280

Prep Batch: 29279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-14	CS-35 (4)	Total/NA	Solid	5035	
890-2511-15	CS-36 (4)	Total/NA	Solid	5035	
890-2511-16	CS-37 (4)	Total/NA	Solid	5035	
890-2511-17	CS-38 (4)	Total/NA	Solid	5035	
890-2511-18	CS-39 (4)	Total/NA	Solid	5035	
890-2511-19	CS-40 (4)	Total/NA	Solid	5035	
890-2511-20	CS-41 (4)	Total/NA	Solid	5035	
890-2511-21	CS-42 (4)	Total/NA	Solid	5035	
890-2511-22	CS-43 (4)	Total/NA	Solid	5035	
890-2511-23	CS-44 (4)	Total/NA	Solid	5035	
890-2511-24	CS-45 (4)	Total/NA	Solid	5035	
890-2511-25	CS-46 (4)	Total/NA	Solid	5035	
890-2511-26	CS-47 (4)	Total/NA	Solid	5035	
890-2511-27	CS-48 (4)	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC VOA (Continued)

Prep Batch: 29279 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-28	CS-49 (4)	Total/NA	Solid	5035	
890-2511-29	CS-50 (4)	Total/NA	Solid	5035	
890-2511-30	CS-51 (4)	Total/NA	Solid	5035	
890-2511-31	CS-199 (4.5)	Total/NA	Solid	5035	
MB 880-29279/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29279/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29279/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2509-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2509-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 29280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-32	CS-200 (4)	Total/NA	Solid	5035	
890-2511-33	CS-201 (4)	Total/NA	Solid	5035	
890-2511-34	CS-202 (4)	Total/NA	Solid	5035	
890-2511-35	CS-203 (4)	Total/NA	Solid	5035	
890-2511-36	SW-8 (4.5)	Total/NA	Solid	5035	
890-2511-37	SW-9 (4.5)	Total/NA	Solid	5035	
890-2511-38	SW-10 (4.5)	Total/NA	Solid	5035	
890-2511-39	SW-11 (4.5)	Total/NA	Solid	5035	
890-2511-40	SW-14 (4)	Total/NA	Solid	5035	
890-2511-41	SW-15 (4)	Total/NA	Solid	5035	
890-2511-42	SW-16 (4)	Total/NA	Solid	5035	
890-2511-43	SW-17 (4)	Total/NA	Solid	5035	
MB 880-29280/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29280/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29280/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2511-32 MS	CS-200 (4)	Total/NA	Solid	5035	
890-2511-32 MSD	CS-200 (4)	Total/NA	Solid	5035	

Analysis Batch: 29335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-2	CS-23 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-3	CS-24 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-4	CS-25 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-5	CS-26 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-6	CS-27 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-7	CS-28 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-8	CS-29 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-9	CS-30 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-10	CS-31 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-11	CS-32 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-12	CS-33 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-13	CS-34 (4)	Total/NA	Solid	Total BTEX	
890-2511-14	CS-35 (4)	Total/NA	Solid	Total BTEX	
890-2511-15	CS-36 (4)	Total/NA	Solid	Total BTEX	
890-2511-16	CS-37 (4)	Total/NA	Solid	Total BTEX	
890-2511-17	CS-38 (4)	Total/NA	Solid	Total BTEX	
890-2511-18	CS-39 (4)	Total/NA	Solid	Total BTEX	
890-2511-19	CS-40 (4)	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC VOA (Continued)

Analysis Batch: 29335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-20	CS-41 (4)	Total/NA	Solid	Total BTEX	
890-2511-21	CS-42 (4)	Total/NA	Solid	Total BTEX	
890-2511-22	CS-43 (4)	Total/NA	Solid	Total BTEX	
890-2511-23	CS-44 (4)	Total/NA	Solid	Total BTEX	
890-2511-24	CS-45 (4)	Total/NA	Solid	Total BTEX	
890-2511-25	CS-46 (4)	Total/NA	Solid	Total BTEX	
890-2511-26	CS-47 (4)	Total/NA	Solid	Total BTEX	
890-2511-27	CS-48 (4)	Total/NA	Solid	Total BTEX	
890-2511-28	CS-49 (4)	Total/NA	Solid	Total BTEX	
890-2511-29	CS-50 (4)	Total/NA	Solid	Total BTEX	
890-2511-30	CS-51 (4)	Total/NA	Solid	Total BTEX	
890-2511-31	CS-199 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-32	CS-200 (4)	Total/NA	Solid	Total BTEX	
890-2511-33	CS-201 (4)	Total/NA	Solid	Total BTEX	
890-2511-34	CS-202 (4)	Total/NA	Solid	Total BTEX	
890-2511-35	CS-203 (4)	Total/NA	Solid	Total BTEX	
890-2511-36	SW-8 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-37	SW-9 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-38	SW-10 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-39	SW-11 (4.5)	Total/NA	Solid	Total BTEX	
890-2511-40	SW-14 (4)	Total/NA	Solid	Total BTEX	
890-2511-41	SW-15 (4)	Total/NA	Solid	Total BTEX	
890-2511-42	SW-16 (4)	Total/NA	Solid	Total BTEX	
890-2511-43	SW-17 (4)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 29248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-2	CS-23 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-3	CS-24 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-4	CS-25 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-5	CS-26 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-6	CS-27 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-7	CS-28 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-8	CS-29 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-9	CS-30 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-10	CS-31 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-11	CS-32 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-12	CS-33 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-13	CS-34 (4)	Total/NA	Solid	8015B NM	29256
890-2511-14	CS-35 (4)	Total/NA	Solid	8015B NM	29256
890-2511-15	CS-36 (4)	Total/NA	Solid	8015B NM	29256
890-2511-16	CS-37 (4)	Total/NA	Solid	8015B NM	29256
890-2511-17	CS-38 (4)	Total/NA	Solid	8015B NM	29256
890-2511-18	CS-39 (4)	Total/NA	Solid	8015B NM	29256
890-2511-19	CS-40 (4)	Total/NA	Solid	8015B NM	29256
890-2511-20	CS-41 (4)	Total/NA	Solid	8015B NM	29256
MB 880-29256/1-A	Method Blank	Total/NA	Solid	8015B NM	29256
LCS 880-29256/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29256

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 29248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-29256/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29256
890-2511-1 MS	CS-22 (4.5)	Total/NA	Solid	8015B NM	29256
890-2511-1 MSD	CS-22 (4.5)	Total/NA	Solid	8015B NM	29256

Analysis Batch: 29250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-21	CS-42 (4)	Total/NA	Solid	8015B NM	29257
890-2511-22	CS-43 (4)	Total/NA	Solid	8015B NM	29257
890-2511-23	CS-44 (4)	Total/NA	Solid	8015B NM	29257
890-2511-24	CS-45 (4)	Total/NA	Solid	8015B NM	29257
890-2511-25	CS-46 (4)	Total/NA	Solid	8015B NM	29257
890-2511-26	CS-47 (4)	Total/NA	Solid	8015B NM	29257
890-2511-27	CS-48 (4)	Total/NA	Solid	8015B NM	29257
890-2511-28	CS-49 (4)	Total/NA	Solid	8015B NM	29257
890-2511-29	CS-50 (4)	Total/NA	Solid	8015B NM	29257
890-2511-30	CS-51 (4)	Total/NA	Solid	8015B NM	29257
890-2511-31	CS-199 (4.5)	Total/NA	Solid	8015B NM	29257
890-2511-32	CS-200 (4)	Total/NA	Solid	8015B NM	29257
890-2511-33	CS-201 (4)	Total/NA	Solid	8015B NM	29257
890-2511-34	CS-202 (4)	Total/NA	Solid	8015B NM	29257
890-2511-35	CS-203 (4)	Total/NA	Solid	8015B NM	29257
890-2511-36	SW-8 (4.5)	Total/NA	Solid	8015B NM	29257
890-2511-37	SW-9 (4.5)	Total/NA	Solid	8015B NM	29257
890-2511-38	SW-10 (4.5)	Total/NA	Solid	8015B NM	29257
890-2511-39	SW-11 (4.5)	Total/NA	Solid	8015B NM	29257
890-2511-40	SW-14 (4)	Total/NA	Solid	8015B NM	29257
MB 880-29257/1-A	Method Blank	Total/NA	Solid	8015B NM	29257
LCS 880-29257/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29257
LCSD 880-29257/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29257
890-2511-21 MS	CS-42 (4)	Total/NA	Solid	8015B NM	29257
890-2511-21 MSD	CS-42 (4)	Total/NA	Solid	8015B NM	29257

Prep Batch: 29256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-2	CS-23 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-3	CS-24 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-4	CS-25 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-5	CS-26 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-6	CS-27 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-7	CS-28 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-8	CS-29 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-9	CS-30 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-10	CS-31 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-11	CS-32 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-12	CS-33 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-13	CS-34 (4)	Total/NA	Solid	8015NM Prep	
890-2511-14	CS-35 (4)	Total/NA	Solid	8015NM Prep	
890-2511-15	CS-36 (4)	Total/NA	Solid	8015NM Prep	
890-2511-16	CS-37 (4)	Total/NA	Solid	8015NM Prep	
890-2511-17	CS-38 (4)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC Semi VOA (Continued)

Prep Batch: 29256 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-18	CS-39 (4)	Total/NA	Solid	8015NM Prep	
890-2511-19	CS-40 (4)	Total/NA	Solid	8015NM Prep	
890-2511-20	CS-41 (4)	Total/NA	Solid	8015NM Prep	
MB 880-29256/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29256/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29256/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2511-1 MS	CS-22 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-1 MSD	CS-22 (4.5)	Total/NA	Solid	8015NM Prep	

Prep Batch: 29257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-21	CS-42 (4)	Total/NA	Solid	8015NM Prep	
890-2511-22	CS-43 (4)	Total/NA	Solid	8015NM Prep	
890-2511-23	CS-44 (4)	Total/NA	Solid	8015NM Prep	
890-2511-24	CS-45 (4)	Total/NA	Solid	8015NM Prep	
890-2511-25	CS-46 (4)	Total/NA	Solid	8015NM Prep	
890-2511-26	CS-47 (4)	Total/NA	Solid	8015NM Prep	
890-2511-27	CS-48 (4)	Total/NA	Solid	8015NM Prep	
890-2511-28	CS-49 (4)	Total/NA	Solid	8015NM Prep	
890-2511-29	CS-50 (4)	Total/NA	Solid	8015NM Prep	
890-2511-30	CS-51 (4)	Total/NA	Solid	8015NM Prep	
890-2511-31	CS-199 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-32	CS-200 (4)	Total/NA	Solid	8015NM Prep	
890-2511-33	CS-201 (4)	Total/NA	Solid	8015NM Prep	
890-2511-34	CS-202 (4)	Total/NA	Solid	8015NM Prep	
890-2511-35	CS-203 (4)	Total/NA	Solid	8015NM Prep	
890-2511-36	SW-8 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-37	SW-9 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-38	SW-10 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-39	SW-11 (4.5)	Total/NA	Solid	8015NM Prep	
890-2511-40	SW-14 (4)	Total/NA	Solid	8015NM Prep	
MB 880-29257/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29257/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29257/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2511-21 MS	CS-42 (4)	Total/NA	Solid	8015NM Prep	
890-2511-21 MSD	CS-42 (4)	Total/NA	Solid	8015NM Prep	

Prep Batch: 29258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-41	SW-15 (4)	Total/NA	Solid	8015NM Prep	
890-2511-42	SW-16 (4)	Total/NA	Solid	8015NM Prep	
890-2511-43	SW-17 (4)	Total/NA	Solid	8015NM Prep	
MB 880-29258/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29258/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2511-41 MS	SW-15 (4)	Total/NA	Solid	8015NM Prep	
890-2511-41 MSD	SW-15 (4)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-41	SW-15 (4)	Total/NA	Solid	8015B NM	29258

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 29361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-42	SW-16 (4)	Total/NA	Solid	8015B NM	29258
890-2511-43	SW-17 (4)	Total/NA	Solid	8015B NM	29258
MB 880-29258/1-A	Method Blank	Total/NA	Solid	8015B NM	29258
LCS 880-29258/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29258
LCSD 880-29258/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29258
890-2511-41 MS	SW-15 (4)	Total/NA	Solid	8015B NM	29258
890-2511-41 MSD	SW-15 (4)	Total/NA	Solid	8015B NM	29258

Analysis Batch: 29386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Total/NA	Solid	8015 NM	
890-2511-2	CS-23 (4.5)	Total/NA	Solid	8015 NM	
890-2511-3	CS-24 (4.5)	Total/NA	Solid	8015 NM	
890-2511-4	CS-25 (4.5)	Total/NA	Solid	8015 NM	
890-2511-5	CS-26 (4.5)	Total/NA	Solid	8015 NM	
890-2511-6	CS-27 (4.5)	Total/NA	Solid	8015 NM	
890-2511-7	CS-28 (4.5)	Total/NA	Solid	8015 NM	
890-2511-8	CS-29 (4.5)	Total/NA	Solid	8015 NM	
890-2511-9	CS-30 (4.5)	Total/NA	Solid	8015 NM	
890-2511-10	CS-31 (4.5)	Total/NA	Solid	8015 NM	
890-2511-11	CS-32 (4.5)	Total/NA	Solid	8015 NM	
890-2511-12	CS-33 (4.5)	Total/NA	Solid	8015 NM	
890-2511-13	CS-34 (4)	Total/NA	Solid	8015 NM	
890-2511-14	CS-35 (4)	Total/NA	Solid	8015 NM	
890-2511-15	CS-36 (4)	Total/NA	Solid	8015 NM	
890-2511-16	CS-37 (4)	Total/NA	Solid	8015 NM	
890-2511-17	CS-38 (4)	Total/NA	Solid	8015 NM	
890-2511-18	CS-39 (4)	Total/NA	Solid	8015 NM	
890-2511-19	CS-40 (4)	Total/NA	Solid	8015 NM	
890-2511-20	CS-41 (4)	Total/NA	Solid	8015 NM	
890-2511-21	CS-42 (4)	Total/NA	Solid	8015 NM	
890-2511-22	CS-43 (4)	Total/NA	Solid	8015 NM	
890-2511-23	CS-44 (4)	Total/NA	Solid	8015 NM	
890-2511-24	CS-45 (4)	Total/NA	Solid	8015 NM	
890-2511-25	CS-46 (4)	Total/NA	Solid	8015 NM	
890-2511-26	CS-47 (4)	Total/NA	Solid	8015 NM	
890-2511-27	CS-48 (4)	Total/NA	Solid	8015 NM	
890-2511-28	CS-49 (4)	Total/NA	Solid	8015 NM	
890-2511-29	CS-50 (4)	Total/NA	Solid	8015 NM	
890-2511-30	CS-51 (4)	Total/NA	Solid	8015 NM	
890-2511-31	CS-199 (4.5)	Total/NA	Solid	8015 NM	
890-2511-32	CS-200 (4)	Total/NA	Solid	8015 NM	
890-2511-33	CS-201 (4)	Total/NA	Solid	8015 NM	
890-2511-34	CS-202 (4)	Total/NA	Solid	8015 NM	
890-2511-35	CS-203 (4)	Total/NA	Solid	8015 NM	
890-2511-36	SW-8 (4.5)	Total/NA	Solid	8015 NM	
890-2511-37	SW-9 (4.5)	Total/NA	Solid	8015 NM	
890-2511-38	SW-10 (4.5)	Total/NA	Solid	8015 NM	
890-2511-39	SW-11 (4.5)	Total/NA	Solid	8015 NM	
890-2511-40	SW-14 (4)	Total/NA	Solid	8015 NM	
890-2511-41	SW-15 (4)	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

GC Semi VOA (Continued)

Analysis Batch: 29386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-42	SW-16 (4)	Total/NA	Solid	8015 NM	
890-2511-43	SW-17 (4)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 29244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-41	SW-15 (4)	Soluble	Solid	DI Leach	
890-2511-42	SW-16 (4)	Soluble	Solid	DI Leach	
890-2511-43	SW-17 (4)	Soluble	Solid	DI Leach	
MB 880-29244/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29244/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29244/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2462-A-23-H MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2462-A-23-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 29285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Soluble	Solid	DI Leach	
890-2511-2	CS-23 (4.5)	Soluble	Solid	DI Leach	
890-2511-3	CS-24 (4.5)	Soluble	Solid	DI Leach	
890-2511-4	CS-25 (4.5)	Soluble	Solid	DI Leach	
890-2511-5	CS-26 (4.5)	Soluble	Solid	DI Leach	
890-2511-6	CS-27 (4.5)	Soluble	Solid	DI Leach	
890-2511-7	CS-28 (4.5)	Soluble	Solid	DI Leach	
890-2511-8	CS-29 (4.5)	Soluble	Solid	DI Leach	
890-2511-9	CS-30 (4.5)	Soluble	Solid	DI Leach	
890-2511-10	CS-31 (4.5)	Soluble	Solid	DI Leach	
890-2511-11	CS-32 (4.5)	Soluble	Solid	DI Leach	
890-2511-12	CS-33 (4.5)	Soluble	Solid	DI Leach	
890-2511-13	CS-34 (4)	Soluble	Solid	DI Leach	
890-2511-14	CS-35 (4)	Soluble	Solid	DI Leach	
890-2511-15	CS-36 (4)	Soluble	Solid	DI Leach	
890-2511-16	CS-37 (4)	Soluble	Solid	DI Leach	
890-2511-17	CS-38 (4)	Soluble	Solid	DI Leach	
890-2511-18	CS-39 (4)	Soluble	Solid	DI Leach	
890-2511-19	CS-40 (4)	Soluble	Solid	DI Leach	
890-2511-20	CS-41 (4)	Soluble	Solid	DI Leach	
MB 880-29285/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29285/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29285/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2511-1 MS	CS-22 (4.5)	Soluble	Solid	DI Leach	
890-2511-1 MSD	CS-22 (4.5)	Soluble	Solid	DI Leach	
890-2511-11 MS	CS-32 (4.5)	Soluble	Solid	DI Leach	
890-2511-11 MSD	CS-32 (4.5)	Soluble	Solid	DI Leach	

Leach Batch: 29292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-21	CS-42 (4)	Soluble	Solid	DI Leach	
890-2511-22	CS-43 (4)	Soluble	Solid	DI Leach	
890-2511-23	CS-44 (4)	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

HPLC/IC (Continued)

Leach Batch: 29292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-24	CS-45 (4)	Soluble	Solid	DI Leach	
890-2511-25	CS-46 (4)	Soluble	Solid	DI Leach	
890-2511-26	CS-47 (4)	Soluble	Solid	DI Leach	
890-2511-27	CS-48 (4)	Soluble	Solid	DI Leach	
890-2511-28	CS-49 (4)	Soluble	Solid	DI Leach	
890-2511-29	CS-50 (4)	Soluble	Solid	DI Leach	
890-2511-30	CS-51 (4)	Soluble	Solid	DI Leach	
890-2511-31	CS-199 (4.5)	Soluble	Solid	DI Leach	
890-2511-32	CS-200 (4)	Soluble	Solid	DI Leach	
890-2511-33	CS-201 (4)	Soluble	Solid	DI Leach	
890-2511-34	CS-202 (4)	Soluble	Solid	DI Leach	
890-2511-35	CS-203 (4)	Soluble	Solid	DI Leach	
890-2511-36	SW-8 (4.5)	Soluble	Solid	DI Leach	
890-2511-37	SW-9 (4.5)	Soluble	Solid	DI Leach	
890-2511-38	SW-10 (4.5)	Soluble	Solid	DI Leach	
890-2511-39	SW-11 (4.5)	Soluble	Solid	DI Leach	
890-2511-40	SW-14 (4)	Soluble	Solid	DI Leach	
MB 880-29292/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29292/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29292/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2511-21 MS	CS-42 (4)	Soluble	Solid	DI Leach	
890-2511-21 MSD	CS-42 (4)	Soluble	Solid	DI Leach	
890-2511-31 MS	CS-199 (4.5)	Soluble	Solid	DI Leach	
890-2511-31 MSD	CS-199 (4.5)	Soluble	Solid	DI Leach	

Analysis Batch: 29320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-41	SW-15 (4)	Soluble	Solid	300.0	29244
890-2511-42	SW-16 (4)	Soluble	Solid	300.0	29244
890-2511-43	SW-17 (4)	Soluble	Solid	300.0	29244
MB 880-29244/1-A	Method Blank	Soluble	Solid	300.0	29244
LCS 880-29244/2-A	Lab Control Sample	Soluble	Solid	300.0	29244
LCSD 880-29244/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29244
890-2462-A-23-H MS	Matrix Spike	Soluble	Solid	300.0	29244
890-2462-A-23-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29244

Analysis Batch: 29321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-1	CS-22 (4.5)	Soluble	Solid	300.0	29285
890-2511-2	CS-23 (4.5)	Soluble	Solid	300.0	29285
890-2511-3	CS-24 (4.5)	Soluble	Solid	300.0	29285
890-2511-4	CS-25 (4.5)	Soluble	Solid	300.0	29285
890-2511-5	CS-26 (4.5)	Soluble	Solid	300.0	29285
890-2511-6	CS-27 (4.5)	Soluble	Solid	300.0	29285
890-2511-7	CS-28 (4.5)	Soluble	Solid	300.0	29285
890-2511-8	CS-29 (4.5)	Soluble	Solid	300.0	29285
890-2511-9	CS-30 (4.5)	Soluble	Solid	300.0	29285
890-2511-10	CS-31 (4.5)	Soluble	Solid	300.0	29285
890-2511-11	CS-32 (4.5)	Soluble	Solid	300.0	29285
890-2511-12	CS-33 (4.5)	Soluble	Solid	300.0	29285
890-2511-13	CS-34 (4)	Soluble	Solid	300.0	29285

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

HPLC/IC (Continued)

Analysis Batch: 29321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-14	CS-35 (4)	Soluble	Solid	300.0	29285
890-2511-15	CS-36 (4)	Soluble	Solid	300.0	29285
890-2511-16	CS-37 (4)	Soluble	Solid	300.0	29285
890-2511-17	CS-38 (4)	Soluble	Solid	300.0	29285
890-2511-18	CS-39 (4)	Soluble	Solid	300.0	29285
890-2511-19	CS-40 (4)	Soluble	Solid	300.0	29285
890-2511-20	CS-41 (4)	Soluble	Solid	300.0	29285
MB 880-29285/1-A	Method Blank	Soluble	Solid	300.0	29285
LCS 880-29285/2-A	Lab Control Sample	Soluble	Solid	300.0	29285
LCSD 880-29285/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29285
890-2511-1 MS	CS-22 (4.5)	Soluble	Solid	300.0	29285
890-2511-1 MSD	CS-22 (4.5)	Soluble	Solid	300.0	29285
890-2511-11 MS	CS-32 (4.5)	Soluble	Solid	300.0	29285
890-2511-11 MSD	CS-32 (4.5)	Soluble	Solid	300.0	29285

Analysis Batch: 29322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2511-21	CS-42 (4)	Soluble	Solid	300.0	29292
890-2511-22	CS-43 (4)	Soluble	Solid	300.0	29292
890-2511-23	CS-44 (4)	Soluble	Solid	300.0	29292
890-2511-24	CS-45 (4)	Soluble	Solid	300.0	29292
890-2511-25	CS-46 (4)	Soluble	Solid	300.0	29292
890-2511-26	CS-47 (4)	Soluble	Solid	300.0	29292
890-2511-27	CS-48 (4)	Soluble	Solid	300.0	29292
890-2511-28	CS-49 (4)	Soluble	Solid	300.0	29292
890-2511-29	CS-50 (4)	Soluble	Solid	300.0	29292
890-2511-30	CS-51 (4)	Soluble	Solid	300.0	29292
890-2511-31	CS-199 (4.5)	Soluble	Solid	300.0	29292
890-2511-32	CS-200 (4)	Soluble	Solid	300.0	29292
890-2511-33	CS-201 (4)	Soluble	Solid	300.0	29292
890-2511-34	CS-202 (4)	Soluble	Solid	300.0	29292
890-2511-35	CS-203 (4)	Soluble	Solid	300.0	29292
890-2511-36	SW-8 (4.5)	Soluble	Solid	300.0	29292
890-2511-37	SW-9 (4.5)	Soluble	Solid	300.0	29292
890-2511-38	SW-10 (4.5)	Soluble	Solid	300.0	29292
890-2511-39	SW-11 (4.5)	Soluble	Solid	300.0	29292
890-2511-40	SW-14 (4)	Soluble	Solid	300.0	29292
MB 880-29292/1-A	Method Blank	Soluble	Solid	300.0	29292
LCS 880-29292/2-A	Lab Control Sample	Soluble	Solid	300.0	29292
LCSD 880-29292/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29292
890-2511-21 MS	CS-42 (4)	Soluble	Solid	300.0	29292
890-2511-21 MSD	CS-42 (4)	Soluble	Solid	300.0	29292
890-2511-31 MS	CS-199 (4.5)	Soluble	Solid	300.0	29292
890-2511-31 MSD	CS-199 (4.5)	Soluble	Solid	300.0	29292

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-22 (4.5)

Lab Sample ID: 890-2511-1

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 11:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 12:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 08:05	CH	XEN MID

Client Sample ID: CS-23 (4.5)

Lab Sample ID: 890-2511-2

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 12:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 13:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 08:33	CH	XEN MID

Client Sample ID: CS-24 (4.5)

Lab Sample ID: 890-2511-3

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 12:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 13:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 08:42	CH	XEN MID

Client Sample ID: CS-25 (4.5)

Lab Sample ID: 890-2511-4

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 12:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-25 (4.5)

Lab Sample ID: 890-2511-4

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 14:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 08:51	CH	XEN MID

Client Sample ID: CS-26 (4.5)

Lab Sample ID: 890-2511-5

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 13:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 14:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 09:00	CH	XEN MID

Client Sample ID: CS-27 (4.5)

Lab Sample ID: 890-2511-6

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 13:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 09:28	CH	XEN MID

Client Sample ID: CS-28 (4.5)

Lab Sample ID: 890-2511-7

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 16:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 15:17	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-28 (4.5)

Date Collected: 07/06/22 00:00

Date Received: 07/07/22 08:00

Lab Sample ID: 890-2511-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 09:37	CH	XEN MID

Client Sample ID: CS-29 (4.5)

Date Collected: 07/06/22 00:00

Date Received: 07/07/22 08:00

Lab Sample ID: 890-2511-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 16:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 09:46	CH	XEN MID

Client Sample ID: CS-30 (4.5)

Date Collected: 07/06/22 00:00

Date Received: 07/07/22 08:00

Lab Sample ID: 890-2511-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	29210	07/07/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 16:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 16:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 09:55	CH	XEN MID

Client Sample ID: CS-31 (4.5)

Date Collected: 07/06/22 00:00

Date Received: 07/07/22 08:00

Lab Sample ID: 890-2511-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 17:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 16:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 10:05	CH	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-32 (4.5)

Lab Sample ID: 890-2511-11

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 17:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 17:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 10:14	CH	XEN MID

Client Sample ID: CS-33 (4.5)

Lab Sample ID: 890-2511-12

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 17:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 17:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 10:42	CH	XEN MID

Client Sample ID: CS-34 (4)

Lab Sample ID: 890-2511-13

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29210	07/08/22 10:30	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29260	07/08/22 18:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 17:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 10:51	CH	XEN MID

Client Sample ID: CS-35 (4)

Lab Sample ID: 890-2511-14

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 15:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-35 (4)

Lab Sample ID: 890-2511-14

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 18:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 11:18	CH	XEN MID

Client Sample ID: CS-36 (4)

Lab Sample ID: 890-2511-15

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 15:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 11:28	CH	XEN MID

Client Sample ID: CS-37 (4)

Lab Sample ID: 890-2511-16

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 15:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 11:37	CH	XEN MID

Client Sample ID: CS-38 (4)

Lab Sample ID: 890-2511-17

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 16:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 19:14	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-38 (4)

Lab Sample ID: 890-2511-17

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 11:46	CH	XEN MID

Client Sample ID: CS-39 (4)

Lab Sample ID: 890-2511-18

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 16:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 11:55	CH	XEN MID

Client Sample ID: CS-40 (4)

Lab Sample ID: 890-2511-19

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 16:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 12:04	CH	XEN MID

Client Sample ID: CS-41 (4)

Lab Sample ID: 890-2511-20

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 17:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29256	07/08/22 07:29	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29248	07/08/22 20:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29285	07/08/22 11:18	SMC	XEN MID
Soluble	Analysis	300.0		1			29321	07/09/22 12:14	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-42 (4)

Lab Sample ID: 890-2511-21

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 17:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 12:25	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 13:27	CH	XEN MID

Client Sample ID: CS-43 (4)

Lab Sample ID: 890-2511-22

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 19:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 13:29	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 13:55	CH	XEN MID

Client Sample ID: CS-44 (4)

Lab Sample ID: 890-2511-23

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 19:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 13:50	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 14:04	CH	XEN MID

Client Sample ID: CS-45 (4)

Lab Sample ID: 890-2511-24

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 20:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-45 (4)

Lab Sample ID: 890-2511-24

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 14:12	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 14:13	CH	XEN MID

Client Sample ID: CS-46 (4)

Lab Sample ID: 890-2511-25

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 20:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 14:34	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 14:23	CH	XEN MID

Client Sample ID: CS-47 (4)

Lab Sample ID: 890-2511-26

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 20:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 14:55	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 14:50	CH	XEN MID

Client Sample ID: CS-48 (4)

Lab Sample ID: 890-2511-27

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 21:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 15:17	SM	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-48 (4)

Lab Sample ID: 890-2511-27

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 14:59	CH	XEN MID

Client Sample ID: CS-49 (4)

Lab Sample ID: 890-2511-28

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 21:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 15:38	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 15:09	CH	XEN MID

Client Sample ID: CS-50 (4)

Lab Sample ID: 890-2511-29

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 21:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 16:00	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 15:18	CH	XEN MID

Client Sample ID: CS-51 (4)

Lab Sample ID: 890-2511-30

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 22:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 16:21	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	29322	07/09/22 15:27	CH	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-199 (4.5)

Lab Sample ID: 890-2511-31

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29279	07/08/22 10:22	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	29259	07/08/22 22:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 17:05	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 15:36	CH	XEN MID

Client Sample ID: CS-200 (4)

Lab Sample ID: 890-2511-32

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 12:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 17:26	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 16:04	CH	XEN MID

Client Sample ID: CS-201 (4)

Lab Sample ID: 890-2511-33

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 12:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 17:48	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	29322	07/09/22 16:13	CH	XEN MID

Client Sample ID: CS-202 (4)

Lab Sample ID: 890-2511-34

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 13:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: CS-202 (4)

Lab Sample ID: 890-2511-34

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 18:09	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 16:41	CH	XEN MID

Client Sample ID: CS-203 (4)

Lab Sample ID: 890-2511-35

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 13:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 18:31	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 16:50	CH	XEN MID

Client Sample ID: SW-8 (4.5)

Lab Sample ID: 890-2511-36

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 14:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 18:52	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 16:59	CH	XEN MID

Client Sample ID: SW-9 (4.5)

Lab Sample ID: 890-2511-37

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 14:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 19:14	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-9 (4.5)

Lab Sample ID: 890-2511-37

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 17:08	CH	XEN MID

Client Sample ID: SW-10 (4.5)

Lab Sample ID: 890-2511-38

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 15:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 19:35	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 17:18	CH	XEN MID

Client Sample ID: SW-11 (4.5)

Lab Sample ID: 890-2511-39

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 15:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 19:57	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 17:27	CH	XEN MID

Client Sample ID: SW-14 (4)

Lab Sample ID: 890-2511-40

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 15:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29257	07/08/22 07:32	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29250	07/08/22 20:18	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29292	07/08/22 11:28	SMC	XEN MID
Soluble	Analysis	300.0		1			29322	07/09/22 17:36	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Client Sample ID: SW-15 (4)

Lab Sample ID: 890-2511-41

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 16:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29258	07/08/22 07:35	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29361	07/10/22 13:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29244	07/07/22 16:55	CH	XEN MID
Soluble	Analysis	300.0		1			29320	07/09/22 06:05	CH	XEN MID

Client Sample ID: SW-16 (4)

Lab Sample ID: 890-2511-42

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 18:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29258	07/08/22 07:35	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29361	07/10/22 14:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29244	07/07/22 16:55	CH	XEN MID
Soluble	Analysis	300.0		1			29320	07/09/22 06:33	CH	XEN MID

Client Sample ID: SW-17 (4)

Lab Sample ID: 890-2511-43

Date Collected: 07/06/22 00:00

Matrix: Solid

Date Received: 07/07/22 08:00

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	29280	07/08/22 10:35	EL	XEN MID
Total/NA	Analysis	8021B		1			29261	07/08/22 18:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29335	07/08/22 16:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29386	07/11/22 08:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29258	07/08/22 07:35	AM	XEN MID
Total/NA	Analysis	8015B NM		1			29361	07/10/22 14:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29244	07/07/22 16:55	CH	XEN MID
Soluble	Analysis	300.0		1			29320	07/09/22 06:42	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

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)
8015B NM	8015NM Prep	Solid	Total TPH
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: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2511-1
SDG: 1028

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2511-1	CS-22 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-2	CS-23 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-3	CS-24 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-4	CS-25 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-5	CS-26 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-6	CS-27 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-7	CS-28 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-8	CS-29 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-9	CS-30 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-10	CS-31 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-11	CS-32 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-12	CS-33 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-13	CS-34 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-14	CS-35 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-15	CS-36 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-16	CS-37 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-17	CS-38 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-18	CS-39 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-19	CS-40 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-20	CS-41 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-21	CS-42 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-22	CS-43 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-23	CS-44 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-24	CS-45 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-25	CS-46 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-26	CS-47 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-27	CS-48 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-28	CS-49 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-29	CS-50 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-30	CS-51 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-31	CS-199 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-32	CS-200 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-33	CS-201 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-34	CS-202 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-35	CS-203 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-36	SW-8 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-37	SW-9 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-38	SW-10 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-39	SW-11 (4.5)	Solid	07/06/22 00:00	07/07/22 08:00	4.5
890-2511-40	SW-14 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-41	SW-15 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-42	SW-16 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4
890-2511-43	SW-17 (4)	Solid	07/06/22 00:00	07/07/22 08:00	4

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Chain of Custody

Work Order No: _____

Page 1 of 5

Project Manager:	Conner Moeheing	Bill to: (if different)	Joseph Varigo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	665 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.varigo@nqlp.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ ☐ per fund	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Cosmo Booster	Turn Around	Pres. Code
Project Number:	1028	☐ Routine ☒ Rush	
Project Location:	Lea Co, NM	Due Date:	24 Hrs
Sample's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters
Received Intact:	Yes ☒ No ☐	Thermometer ID:	7m-007			
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-0.2			
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	2.2			
Total Containers:	Yes ☒ No ☐	Corrected Temperature:	1.8			

Sample Identification	Date	Time	Soil	Water	Grab/	# of	TPH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<i>Conner Moeheing</i>		7/7/22	<i>Joseph Varigo</i>		7/7/22 8:00

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Chain of Custody

Work Order No: _____

Page 2 of 5

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nnglep.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ ☐ Perfund	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Cosmo Booster	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	1028	Due Date:	24 Hrs														None: NO	DI Water: H ₂ O	
Project Location:	Lea Co. NM																Cool: Cool	MeOH: Me	
Sampler's Name:	CRM																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No													HOLD	
Received Inact:	Yes No	Thermometer ID:																H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes No N/A	Correction Factor:																NaHSO ₄ : NABIS	
Sample Custody Seals:	Yes No N/A	Temperature Reading:																Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:		Corrected Temperature:																Zn Acetate+NaOH: Zn	
																		NaOH+Ascorbic Acid: S.A.P.C	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH												Sample Comments
CS-32 (4.5')	7/6/2022		X		C	1	X	X	X										
CS-33 (4')	7/6/2022		X		C	1	X	X	X										
CS-34 (4')	7/6/2022		X		C	1	X	X	X										
CS-35 (4')	7/6/2022		X		C	1	X	X	X										
CS-36 (4')	7/6/2022		X		C	1	X	X	X										
CS-37 (4')	7/6/2022		X		C	1	X	X	X										
CS-38 (4')	7/6/2022		X		C	1	X	X	X										
CS-39 (4')	7/6/2022		X		C	1	X	X	X										
CS-40 (4')	7/6/2022		X		C	1	X	X	X										
CS-41 (4')	7/6/2022		X		C	1	X	X	X										

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
<i>Conner Moehring</i>		7/7/22	<i>Aurea S. Stutz</i>		7/7/22

Chain of Custody

Work Order No: _____

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	Joseph.vargo@nnglp.com

Work Order Comments										
Program:	UST/PST	☐ RP	☐ Brownfields	☐ RC	☐ Superfund	☐	☐	☐	☐	
State of Project:										
Reporting Level	II	☐	level III	☐	UST/UST	☐	RRP	☐	level IV	☐
Deliverables:	EDD	☐	ADAPT	☐	Other:					

Page 3 of 5

Project Name:		Cosmo Booster		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	1028	☐ Routine	☒ Rush	Due Date:	24 Hrs											None: NO	DI Water: H ₂ O	
Project Location:	Lea Co. NM			TAT starts the day received by the lab, if received by 4:30pm											Cool: Cool	MeOH: Me		
Sampler's Name:	CRM														HCL: HC	HNO ₃ : HN		
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No	Yes No	Wet/dry:	Yes No											HOLD	
Received Intact:	Yes No	Thermometer ID:											H ₃ PO ₄ : HP					
Cooler Custody Seals:	Yes No N/A	Correction Factor:											NaHSO ₄ : NABIS					
Sample Custody Seals:	Yes No N/A	Temperature Reading:											Na ₂ S ₂ O ₃ : NaSO ₃					
Total Containers:	Corrected Temperature:												Zn Acetate+NaOH: Zn					
													NaOH+Ascorbic Acid: SAPC					
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont								Sample Comments		
CS-42 (4')	7/6/2022		X		C	1	X	X	X									
CS-43 (4')	7/6/2022		X		C	1	X	X	X									
CS-44 (4')	7/6/2022		X		C	1	X	X	X									
CS-45 (4')	7/6/2022		X		C	1	X	X	X									
CS-46 (4')	7/6/2022		X		C	1	X	X	X									
CS-47 (4')	7/6/2022		X		C	1	X	X	X									
CS-48 (4')	7/6/2022		X		C	1	X	X	X									
CS-49 (4')	7/6/2022		X		C	1	X	X	X									
CS-50 (4')	7/6/2022		X		C	1	X	X	X									
CS-51 (4')	7/6/2022		X		C	1	X	X	X									

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
Sam McCarry		7/7/22	Anavela L. Huff		7/7/22 8:00

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Chain of Custody

Work Order No: _____

Page 4 of 5

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Perriman
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@naglep.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Deepfund ☐	
State of Project:	
Reporting Level: I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Cosmo Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	1028	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea Co. NM	Due Date:	24 Hrs													Cool: Cool	MeOH: Me		
Sampler's Name:	CRM	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/Sec:	Yes No													HOLD	
Received Inact:	Yes No	Thermometer ID:																H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes No N/A	Correction Factor:																NaHSO ₄ : NABIS	
Sample Custody Seals:	Yes No N/A	Temperature Reading:																Na ₂ S ₂ O ₅ : NaSO ₃	
Total Containers:		Corrected Temperature:																Zn Acetate+NaOH: Zn	
																		NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPI												Sample Comments
CS-199 (4.5)	7/6/2022		X		C	1	X	X	X										
CS-200 (4)	7/6/2022		X		C	1	X	X	X										
CS-201 (4)	7/6/2022		X		C	1	X	X	X										
CS-202 (4)	7/6/2022		X		C	1	X	X	X										
CS-203 (4)	7/6/2022		X		C	1	X	X	X										
SW-8 (4.5)	7/6/2022		X		C	1	X	X	X										
SW-9 (4.5)	7/6/2022		X		C	1	X	X	X										
SW-10 (4.5)	7/6/2022		X		C	1	X	X	X										
SW-11 (4.5)	7/6/2022		X		C	1	X	X	X										
SW-14 (4)	7/6/2022		X		C	1	X	X	X										

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	7/7/22	<i>Joseph Vargo</i>	7/26/22 800

Chain of Custody

Work Order No: _____

Page 5 of 5

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albon St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@ngllep.com

Work Order Comments									
Program:	UST/PST	☐ PRP	☐ Brownfields	☐ RC	☐ Superfund	☐	☐	☐	☐
State of Project:									
Reporting Level II	☐	Level III	☐	ST/UST	☐	RP	☐	Level IV	☐
Deliverables:	EDD	☐	Adapt	☐	Other:				

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2511-1

SDG Number: 1028

Login Number: 2511

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2511-1

SDG Number: 1028

Login Number: 2511

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 07/08/22 10:24 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2513-1
Laboratory Sample Delivery Group: 1028
Client Project/Site: Cosmo Booster

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
7/12/2022 9:43:06 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 890-2513-1
SDG: 1028

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	14
QC Sample Results	16
QC Association Summary	20
Lab Chronicle	23
Certification Summary	27
Method Summary	28
Sample Summary	29
Chain of Custody	30
Receipt Checklists	32

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Job ID: 890-2513-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-2513-1****Receipt**

The samples were received on 7/8/2022 8:07 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 4.2°C

Receipt Exceptions

Sample container(s) was provided by the client for the following samples: CS-74 3.3 (890-2513-1), CS-204 2' (890-2513-2), CS-205 2' (890-2513-3), CS-206 2' (890-2513-4), CS-207 2' (890-2513-5), CS-208 2' (890-2513-6), CS-209 2' (890-2513-7), CS-210 2' (890-2513-8), CS-211 2' (890-2513-9), CS-212 2' (890-2513-10) and CS-213 2' (890-2513-11) 890-2513 Sample #9 received in clear 4 oz jar has water in it, still sending for testing.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Method required MS/MSD and/or duplicate QC were prepared and analyzed at required batch frequency for preparation batch 880-29396 and analytical batch 880-29371 using samples from other sites, and are not reported with this project.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-207 2' (890-2513-5), CS-208 2' (890-2513-6) and CS-209 2' (890-2513-7). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29381 and 880-29381 and analytical batch 880-29440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-74 3.3

Lab Sample ID: 890-2513-1

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 3.3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 16:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 16:36	1
Ethylbenzene	0.00266		0.00201		mg/Kg		07/11/22 14:13	07/11/22 16:36	1
m-Xylene & p-Xylene	0.00583		0.00402		mg/Kg		07/11/22 14:13	07/11/22 16:36	1
o-Xylene	0.00304		0.00201		mg/Kg		07/11/22 14:13	07/11/22 16:36	1
Xylenes, Total	0.00887		0.00402		mg/Kg		07/11/22 14:13	07/11/22 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/11/22 14:13	07/11/22 16:36	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/11/22 14:13	07/11/22 16:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0115		0.00402		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 15:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 15:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	07/11/22 08:49	07/11/22 15:36	1
o-Terphenyl	117		70 - 130	07/11/22 08:49	07/11/22 15:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.3		4.98		mg/Kg			07/11/22 19:33	1

Client Sample ID: CS-204 2'

Lab Sample ID: 890-2513-2

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 14:13	07/11/22 16:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/22 14:13	07/11/22 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/11/22 14:13	07/11/22 16:57	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-204 2'

Lab Sample ID: 890-2513-2

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	83		70 - 130	07/11/22 14:13	07/11/22 16:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 15:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 15:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/11/22 08:49	07/11/22 15:58	1
o-Terphenyl	113		70 - 130				07/11/22 08:49	07/11/22 15:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.87		5.05		mg/Kg			07/11/22 19:41	1

Client Sample ID: CS-205 2'

Lab Sample ID: 890-2513-3

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 17:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 17:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 17:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 17:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 17:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	07/11/22 14:13	07/11/22 17:17	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/11/22 14:13	07/11/22 17:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/12/22 07:45	1

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-205 2'

Lab Sample ID: 890-2513-3

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/11/22 08:49	07/11/22 16:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/11/22 08:49	07/11/22 16:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/11/22 08:49	07/11/22 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/11/22 08:49	07/11/22 16:20	1
o-Terphenyl	103		70 - 130				07/11/22 08:49	07/11/22 16:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		4.98		mg/Kg			07/11/22 19:49	1

Client Sample ID: CS-206 2'

Lab Sample ID: 890-2513-4

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 18:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				07/11/22 14:13	07/11/22 18:01	1
1,4-Difluorobenzene (Surr)	83		70 - 130				07/11/22 14:13	07/11/22 18:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 16:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 16:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/11/22 08:49	07/11/22 16:41	1
o-Terphenyl	127		70 - 130				07/11/22 08:49	07/11/22 16:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-206 2'

Lab Sample ID: 890-2513-4

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.8	F1	4.95		mg/Kg			07/11/22 19:57	1

Client Sample ID: CS-207 2'

Lab Sample ID: 890-2513-5

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 18:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 18:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/11/22 14:13	07/11/22 18:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/11/22 14:13	07/11/22 18:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	88.6		50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 17:03	1
Diesel Range Organics (Over C10-C28)	88.6		50.0		mg/Kg		07/11/22 08:49	07/11/22 17:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				07/11/22 08:49	07/11/22 17:03	1
o-Terphenyl	0.09	S1-	70 - 130				07/11/22 08:49	07/11/22 17:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.6		5.01		mg/Kg			07/11/22 20:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-208 2'

Lab Sample ID: 890-2513-6

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 18:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 18:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 18:42	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/11/22 14:13	07/11/22 18:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 18:42	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/11/22 14:13	07/11/22 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/11/22 14:13	07/11/22 18:42	1
1,4-Difluorobenzene (Surr)	85		70 - 130	07/11/22 14:13	07/11/22 18:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.2		50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 17:47	1
Diesel Range Organics (Over C10-C28)	80.2		50.0		mg/Kg		07/11/22 08:49	07/11/22 17:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	07/11/22 08:49	07/11/22 17:47	1
o-Terphenyl	0.2	S1-	70 - 130	07/11/22 08:49	07/11/22 17:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.22		4.99		mg/Kg			07/11/22 20:28	1

Client Sample ID: CS-209 2'

Lab Sample ID: 890-2513-7

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 19:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 19:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 19:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/11/22 14:13	07/11/22 19:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/11/22 14:13	07/11/22 19:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/11/22 14:13	07/11/22 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/11/22 14:13	07/11/22 19:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-209 2'

Lab Sample ID: 890-2513-7

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	07/11/22 14:13	07/11/22 19:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				07/11/22 08:49	07/11/22 18:08	1
o-Terphenyl	131	S1+	70 - 130				07/11/22 08:49	07/11/22 18:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		5.03		mg/Kg			07/11/22 20:52	1

Client Sample ID: CS-210 2'

Lab Sample ID: 890-2513-8

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 19:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 19:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 19:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 14:13	07/11/22 19:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 19:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/22 14:13	07/11/22 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/11/22 14:13	07/11/22 19:23	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/11/22 14:13	07/11/22 19:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-210 2'

Lab Sample ID: 890-2513-8

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/11/22 08:49	07/11/22 18:30	1
o-Terphenyl	127		70 - 130				07/11/22 08:49	07/11/22 18:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		4.97		mg/Kg			07/11/22 21:00	1

Client Sample ID: CS-211 2'

Lab Sample ID: 890-2513-9

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 19:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 19:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 19:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 19:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 19:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				07/11/22 14:13	07/11/22 19:43	1
1,4-Difluorobenzene (Surr)	80		70 - 130				07/11/22 14:13	07/11/22 19:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/11/22 08:49	07/11/22 18:51	1
o-Terphenyl	118		70 - 130				07/11/22 08:49	07/11/22 18:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-211 2'

Lab Sample ID: 890-2513-9

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.4		4.95		mg/Kg			07/11/22 21:08	1

Client Sample ID: CS-212 2'

Lab Sample ID: 890-2513-10

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 20:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 20:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 20:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/22 14:13	07/11/22 20:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 20:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/22 14:13	07/11/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				07/11/22 14:13	07/11/22 20:04	1
1,4-Difluorobenzene (Surr)	84		70 - 130				07/11/22 14:13	07/11/22 20:04	1

Method: 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			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/11/22 08:49	07/11/22 19:13	1
o-Terphenyl	116		70 - 130				07/11/22 08:49	07/11/22 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		5.05		mg/Kg			07/11/22 21:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-213 2'

Lab Sample ID: 890-2513-11

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 21:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 21:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 21:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/11/22 14:13	07/11/22 21:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 21:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/11/22 14:13	07/11/22 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/11/22 14:13	07/11/22 21:26	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/11/22 14:13	07/11/22 21:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/12/22 09:04	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 19:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 19:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/11/22 08:49	07/11/22 19:35	1
o-Terphenyl	119		70 - 130	07/11/22 08:49	07/11/22 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		4.99		mg/Kg			07/11/22 21:24	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2513-1	CS-74 3.3	93	92
890-2513-1 MS	CS-74 3.3	113	94
890-2513-1 MSD	CS-74 3.3	112	91
890-2513-2	CS-204 2'	89	83
890-2513-3	CS-205 2'	89	82
890-2513-4	CS-206 2'	92	83
890-2513-5	CS-207 2'	104	91
890-2513-6	CS-208 2'	93	85
890-2513-7	CS-209 2'	105	90
890-2513-8	CS-210 2'	112	84
890-2513-9	CS-211 2'	89	80
890-2513-10	CS-212 2'	88	84
890-2513-11	CS-213 2'	90	82
LCS 880-29445/1-A	Lab Control Sample	101	96
LCSD 880-29445/2-A	Lab Control Sample Dup	100	98
MB 880-29445/5-A	Method Blank	93	88
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
890-2511-A-1-K MS	Matrix Spike		
890-2511-A-1-L MSD	Matrix Spike Duplicate		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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)
890-2513-1	CS-74 3.3	105	117
890-2513-2	CS-204 2'	99	113
890-2513-3	CS-205 2'	92	103
890-2513-4	CS-206 2'	115	127
890-2513-5	CS-207 2'	120	0.09 S1-
890-2513-6	CS-208 2'	103	0.2 S1-
890-2513-7	CS-209 2'	121	131 S1+
890-2513-8	CS-210 2'	115	127
890-2513-9	CS-211 2'	104	118
890-2513-10	CS-212 2'	103	116
890-2513-11	CS-213 2'	102	119

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

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)
LCS 880-29396/2-A	Lab Control Sample	102	112
LCSD 880-29396/3-A	Lab Control Sample Dup	113	122
MB 880-29396/1-A	Method Blank	111	122
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29445/5-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/22 14:13	07/11/22 16:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/11/22 14:13	07/11/22 16:15	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/11/22 14:13	07/11/22 16:15	1

Lab Sample ID: LCS 880-29445/1-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09991		mg/Kg		100	70 - 130
Toluene	0.100	0.09740		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2039		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1107		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-29445/2-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09443		mg/Kg		94	70 - 130	6	35
Toluene	0.100	0.09211		mg/Kg		92	70 - 130	6	35
Ethylbenzene	0.100	0.09493		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1892		mg/Kg		95	70 - 130	7	35
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-2513-1 MS

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: CS-74 3.3

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.07938		mg/Kg		79	70 - 130
Toluene	<0.00201	U	0.100	0.08677		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2513-1 MS

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: CS-74 3.3

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00266		0.100	0.09639		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.00583		0.200	0.1970		mg/Kg		95	70 - 130
o-Xylene	0.00304		0.100	0.1074		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2513-1 MSD

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: CS-74 3.3

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.07336		mg/Kg		73	70 - 130	8	35
Toluene	<0.00201	U	0.0998	0.07900		mg/Kg		78	70 - 130	9	35
Ethylbenzene	0.00266		0.0998	0.08595		mg/Kg		83	70 - 130	11	35
m-Xylene & p-Xylene	0.00583		0.200	0.1765		mg/Kg		86	70 - 130	11	35
o-Xylene	0.00304		0.0998	0.09672		mg/Kg		94	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-29396/1-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 12:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 12:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	07/11/22 08:49	07/11/22 12:00	1
o-Terphenyl	122		70 - 130	07/11/22 08:49	07/11/22 12:00	1

Lab Sample ID: LCS 880-29396/2-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1192		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1062		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-29396/2-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29396

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-29396/3-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1175		mg/Kg		117	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130	17	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 890-2511-A-1-K MS

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			996	891.2		mg/Kg			
Diesel Range Organics (Over C10-C28)			996	843.9		mg/Kg			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane			
o-Terphenyl			

Lab Sample ID: 890-2511-A-1-L MSD

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29396

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			998	873.1		mg/Kg					
Diesel Range Organics (Over C10-C28)			998	834.6		mg/Kg					

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane			
o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29381/1-A

Matrix: Solid

Analysis Batch: 29440

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			07/11/22 12:53	1

Lab Sample ID: LCS 880-29381/2-A

Matrix: Solid

Analysis Batch: 29440

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	226.9		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-29381/3-A

Matrix: Solid

Analysis Batch: 29440

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	229.4		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-2513-4 MS

Matrix: Solid

Analysis Batch: 29440

Client Sample ID: CS-206 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	23.8	F1	248	243.6	F1	mg/Kg		89	90 - 110

Lab Sample ID: 890-2513-4 MSD

Matrix: Solid

Analysis Batch: 29440

Client Sample ID: CS-206 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.8	F1	248	244.3	F1	mg/Kg		89	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

GC VOA

Analysis Batch: 29444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Total/NA	Solid	8021B	29445
890-2513-2	CS-204 2'	Total/NA	Solid	8021B	29445
890-2513-3	CS-205 2'	Total/NA	Solid	8021B	29445
890-2513-4	CS-206 2'	Total/NA	Solid	8021B	29445
890-2513-5	CS-207 2'	Total/NA	Solid	8021B	29445
890-2513-6	CS-208 2'	Total/NA	Solid	8021B	29445
890-2513-7	CS-209 2'	Total/NA	Solid	8021B	29445
890-2513-8	CS-210 2'	Total/NA	Solid	8021B	29445
890-2513-9	CS-211 2'	Total/NA	Solid	8021B	29445
890-2513-10	CS-212 2'	Total/NA	Solid	8021B	29445
890-2513-11	CS-213 2'	Total/NA	Solid	8021B	29445
MB 880-29445/5-A	Method Blank	Total/NA	Solid	8021B	29445
LCS 880-29445/1-A	Lab Control Sample	Total/NA	Solid	8021B	29445
LCSD 880-29445/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29445
890-2513-1 MS	CS-74 3.3	Total/NA	Solid	8021B	29445
890-2513-1 MSD	CS-74 3.3	Total/NA	Solid	8021B	29445

Prep Batch: 29445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Total/NA	Solid	5035	
890-2513-2	CS-204 2'	Total/NA	Solid	5035	
890-2513-3	CS-205 2'	Total/NA	Solid	5035	
890-2513-4	CS-206 2'	Total/NA	Solid	5035	
890-2513-5	CS-207 2'	Total/NA	Solid	5035	
890-2513-6	CS-208 2'	Total/NA	Solid	5035	
890-2513-7	CS-209 2'	Total/NA	Solid	5035	
890-2513-8	CS-210 2'	Total/NA	Solid	5035	
890-2513-9	CS-211 2'	Total/NA	Solid	5035	
890-2513-10	CS-212 2'	Total/NA	Solid	5035	
890-2513-11	CS-213 2'	Total/NA	Solid	5035	
MB 880-29445/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29445/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29445/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2513-1 MS	CS-74 3.3	Total/NA	Solid	5035	
890-2513-1 MSD	CS-74 3.3	Total/NA	Solid	5035	

Analysis Batch: 29510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Total/NA	Solid	Total BTEX	
890-2513-2	CS-204 2'	Total/NA	Solid	Total BTEX	
890-2513-3	CS-205 2'	Total/NA	Solid	Total BTEX	
890-2513-4	CS-206 2'	Total/NA	Solid	Total BTEX	
890-2513-5	CS-207 2'	Total/NA	Solid	Total BTEX	
890-2513-6	CS-208 2'	Total/NA	Solid	Total BTEX	
890-2513-7	CS-209 2'	Total/NA	Solid	Total BTEX	
890-2513-8	CS-210 2'	Total/NA	Solid	Total BTEX	
890-2513-9	CS-211 2'	Total/NA	Solid	Total BTEX	
890-2513-10	CS-212 2'	Total/NA	Solid	Total BTEX	
890-2513-11	CS-213 2'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

GC Semi VOA

Analysis Batch: 29371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Total/NA	Solid	8015B NM	29396
890-2513-2	CS-204 2'	Total/NA	Solid	8015B NM	29396
890-2513-3	CS-205 2'	Total/NA	Solid	8015B NM	29396
890-2513-4	CS-206 2'	Total/NA	Solid	8015B NM	29396
890-2513-5	CS-207 2'	Total/NA	Solid	8015B NM	29396
890-2513-6	CS-208 2'	Total/NA	Solid	8015B NM	29396
890-2513-7	CS-209 2'	Total/NA	Solid	8015B NM	29396
890-2513-8	CS-210 2'	Total/NA	Solid	8015B NM	29396
890-2513-9	CS-211 2'	Total/NA	Solid	8015B NM	29396
890-2513-10	CS-212 2'	Total/NA	Solid	8015B NM	29396
890-2513-11	CS-213 2'	Total/NA	Solid	8015B NM	29396
MB 880-29396/1-A	Method Blank	Total/NA	Solid	8015B NM	29396
LCS 880-29396/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29396
LCSD 880-29396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29396
890-2511-A-1-K MS	Matrix Spike	Total/NA	Solid	8015B NM	29396
890-2511-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29396

Prep Batch: 29396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Total/NA	Solid	8015NM Prep	
890-2513-2	CS-204 2'	Total/NA	Solid	8015NM Prep	
890-2513-3	CS-205 2'	Total/NA	Solid	8015NM Prep	
890-2513-4	CS-206 2'	Total/NA	Solid	8015NM Prep	
890-2513-5	CS-207 2'	Total/NA	Solid	8015NM Prep	
890-2513-6	CS-208 2'	Total/NA	Solid	8015NM Prep	
890-2513-7	CS-209 2'	Total/NA	Solid	8015NM Prep	
890-2513-8	CS-210 2'	Total/NA	Solid	8015NM Prep	
890-2513-9	CS-211 2'	Total/NA	Solid	8015NM Prep	
890-2513-10	CS-212 2'	Total/NA	Solid	8015NM Prep	
890-2513-11	CS-213 2'	Total/NA	Solid	8015NM Prep	
MB 880-29396/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29396/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2511-A-1-K MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2511-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Total/NA	Solid	8015 NM	
890-2513-2	CS-204 2'	Total/NA	Solid	8015 NM	
890-2513-3	CS-205 2'	Total/NA	Solid	8015 NM	
890-2513-4	CS-206 2'	Total/NA	Solid	8015 NM	
890-2513-5	CS-207 2'	Total/NA	Solid	8015 NM	
890-2513-6	CS-208 2'	Total/NA	Solid	8015 NM	
890-2513-7	CS-209 2'	Total/NA	Solid	8015 NM	
890-2513-8	CS-210 2'	Total/NA	Solid	8015 NM	
890-2513-9	CS-211 2'	Total/NA	Solid	8015 NM	
890-2513-10	CS-212 2'	Total/NA	Solid	8015 NM	
890-2513-11	CS-213 2'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

HPLC/IC

Leach Batch: 29381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Soluble	Solid	DI Leach	
890-2513-2	CS-204 2'	Soluble	Solid	DI Leach	
890-2513-3	CS-205 2'	Soluble	Solid	DI Leach	
890-2513-4	CS-206 2'	Soluble	Solid	DI Leach	
890-2513-5	CS-207 2'	Soluble	Solid	DI Leach	
890-2513-6	CS-208 2'	Soluble	Solid	DI Leach	
890-2513-7	CS-209 2'	Soluble	Solid	DI Leach	
890-2513-8	CS-210 2'	Soluble	Solid	DI Leach	
890-2513-9	CS-211 2'	Soluble	Solid	DI Leach	
890-2513-10	CS-212 2'	Soluble	Solid	DI Leach	
890-2513-11	CS-213 2'	Soluble	Solid	DI Leach	
MB 880-29381/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29381/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29381/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2513-4 MS	CS-206 2'	Soluble	Solid	DI Leach	
890-2513-4 MSD	CS-206 2'	Soluble	Solid	DI Leach	

Analysis Batch: 29440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2513-1	CS-74 3.3	Soluble	Solid	300.0	29381
890-2513-2	CS-204 2'	Soluble	Solid	300.0	29381
890-2513-3	CS-205 2'	Soluble	Solid	300.0	29381
890-2513-4	CS-206 2'	Soluble	Solid	300.0	29381
890-2513-5	CS-207 2'	Soluble	Solid	300.0	29381
890-2513-6	CS-208 2'	Soluble	Solid	300.0	29381
890-2513-7	CS-209 2'	Soluble	Solid	300.0	29381
890-2513-8	CS-210 2'	Soluble	Solid	300.0	29381
890-2513-9	CS-211 2'	Soluble	Solid	300.0	29381
890-2513-10	CS-212 2'	Soluble	Solid	300.0	29381
890-2513-11	CS-213 2'	Soluble	Solid	300.0	29381
MB 880-29381/1-A	Method Blank	Soluble	Solid	300.0	29381
LCS 880-29381/2-A	Lab Control Sample	Soluble	Solid	300.0	29381
LCSD 880-29381/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29381
890-2513-4 MS	CS-206 2'	Soluble	Solid	300.0	29381
890-2513-4 MSD	CS-206 2'	Soluble	Solid	300.0	29381

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-74 3.3

Lab Sample ID: 890-2513-1

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 16:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 15:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 19:33	CH	XEN MID

Client Sample ID: CS-204 2'

Lab Sample ID: 890-2513-2

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 16:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 15:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 19:41	CH	XEN MID

Client Sample ID: CS-205 2'

Lab Sample ID: 890-2513-3

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 17:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 19:49	CH	XEN MID

Client Sample ID: CS-206 2'

Lab Sample ID: 890-2513-4

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 18:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-206 2'

Lab Sample ID: 890-2513-4

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 19:57	CH	XEN MID

Client Sample ID: CS-207 2'

Lab Sample ID: 890-2513-5

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 18:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 17:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 20:20	CH	XEN MID

Client Sample ID: CS-208 2'

Lab Sample ID: 890-2513-6

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 18:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 17:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 20:28	CH	XEN MID

Client Sample ID: CS-209 2'

Lab Sample ID: 890-2513-7

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 19:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 18:08	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-209 2'

Lab Sample ID: 890-2513-7

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 20:52	CH	XEN MID

Client Sample ID: CS-210 2'

Lab Sample ID: 890-2513-8

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 19:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 18:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 21:00	CH	XEN MID

Client Sample ID: CS-211 2'

Lab Sample ID: 890-2513-9

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 19:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 21:08	CH	XEN MID

Client Sample ID: CS-212 2'

Lab Sample ID: 890-2513-10

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 20:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 21:16	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Client Sample ID: CS-213 2'

Lab Sample ID: 890-2513-11

Date Collected: 07/07/22 00:00

Matrix: Solid

Date Received: 07/08/22 08:07

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 21:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29510	07/12/22 09:04	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29493	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 21:24	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

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: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 890-2513-1
SDG: 1028

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2513-1	CS-74 3.3	Solid	07/07/22 00:00	07/08/22 08:07	3.3'
890-2513-2	CS-204 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-3	CS-205 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-4	CS-206 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-5	CS-207 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-6	CS-208 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-7	CS-209 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-8	CS-210 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-9	CS-211 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-10	CS-212 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'
890-2513-11	CS-213 2'	Solid	07/07/22 00:00	07/08/22 08:07	2'

Chain of Custody

Work Order No: _____

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@naglep.com

Work Order Comments									
Program:	UST/ST	☐ PRP	☐ Brownfields	☐ RC	☒ Superfund	☐	☐	☐	☐
State of Project:									
Reporting Level II	☐	Level III	☐	ST/UST	☐	RRP	☐	Level IV	☐
Deliverables:	EDD	☐	ADAPT	☐	Other:				

[illegible][illegible]

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7/6/22		7/8/22 8h

Chain of Custody

Work Order No: _____

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nnglep.com

Work Order Comments				
Program:	UST/PST	☐ PRP	☐ Brownfields	☐ RC ☐ Superfund
State of Project:				
Reporting Level:	Level II	☐ Level III	☐ ST/UST	☐ RRP ☐ Level IV ☐
Deliverables:	EDD	☐	ADAPT	☐ Other: ☐

[illegible]

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Dennis J. Gering	7/8/22	Amanda S. Huf	7/8/22

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2513-1

SDG Number: 1028

Login Number: 2513

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-2513-1

SDG Number: 1028

Login Number: 2513

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 07/11/22 09:35 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-16732-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Cosmo Booster

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

7/12/2022 9:29:21 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Cosmo Booster

Laboratory Job ID: 880-16732-1
SDG: Lea Co, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	22
QC Sample Results	24
QC Association Summary	33
Lab Chronicle	39
Certification Summary	46
Method Summary	47
Sample Summary	48
Chain of Custody	49
Receipt Checklists	52

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Job ID: 880-16732-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-16732-1

Receipt

The samples were received on 7/11/2022 8:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-21 (5.5') (880-16732-21). 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 880-29391 and analytical batch 880-29444 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: Method required MS/MSD and/or duplicate QC were prepared and analyzed at required batch frequency for preparation batch 880-29396 and analytical batch 880-29371 using samples from other sites, and are not reported with this project.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-29397 and analytical batch 880-29369 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-29397/2-A) and (880-16732-A-1-F MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-29381 and analytical batch 880-29440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-52 (5.5')

Lab Sample ID: 880-16732-1

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 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		07/11/22 08:40	07/12/22 03:34	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:34	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:34	1
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.00399		mg/Kg		07/11/22 08:40	07/12/22 03:34	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:34	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		07/11/22 08:40	07/12/22 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/11/22 08:40	07/12/22 03:34	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/11/22 08:40	07/12/22 03:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9		mg/Kg		07/11/22 08:51	07/11/22 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	07/11/22 08:51	07/11/22 13:05	1
o-Terphenyl	91		70 - 130	07/11/22 08:51	07/11/22 13:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.9		5.04		mg/Kg			07/11/22 22:58	1

Client Sample ID: CS-53 (5.5')

Lab Sample ID: 880-16732-2

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 03:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 03:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 03:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 03:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 03:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/11/22 08:40	07/12/22 03:54	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/11/22 08:40	07/12/22 03:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-53 (5.5')

Lab Sample ID: 880-16732-2

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 14:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/11/22 08:51	07/11/22 14:10	1
o-Terphenyl	107		70 - 130				07/11/22 08:51	07/11/22 14:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.8		5.02		mg/Kg			07/11/22 23:22	1

Client Sample ID: CS-54 (5.5')

Lab Sample ID: 880-16732-3

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 04:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 04:15	1
Ethylbenzene	0.00458		0.00200		mg/Kg		07/11/22 08:40	07/12/22 04:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 04:15	1
o-Xylene	0.00551		0.00200		mg/Kg		07/11/22 08:40	07/12/22 04:15	1
Xylenes, Total	0.00551		0.00399		mg/Kg		07/11/22 08:40	07/12/22 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				07/11/22 08:40	07/12/22 04:15	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/11/22 08:40	07/12/22 04:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0101		0.00399		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 14:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 14:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-54 (5.5')

Lab Sample ID: 880-16732-3

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/11/22 08:51	07/11/22 14:31	1
o-Terphenyl	78		70 - 130				07/11/22 08:51	07/11/22 14:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		5.00		mg/Kg			07/11/22 23:29	1

Client Sample ID: CS-55 (5.5')

Lab Sample ID: 880-16732-4

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 04:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/11/22 08:40	07/12/22 04:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/11/22 08:40	07/12/22 04:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 14:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 14:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/11/22 08:51	07/11/22 14:53	1
o-Terphenyl	122		70 - 130				07/11/22 08:51	07/11/22 14:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.7		5.01		mg/Kg			07/11/22 23:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-56 (5.5')

Lab Sample ID: 880-16732-5

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 04:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 04:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/11/22 08:40	07/12/22 04:55	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/11/22 08:40	07/12/22 04:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 15:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 15:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	07/11/22 08:51	07/11/22 15:15	1
o-Terphenyl	110		70 - 130	07/11/22 08:51	07/11/22 15:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		4.97		mg/Kg			07/11/22 23:45	1

Client Sample ID: CS-57 (5.5')

Lab Sample ID: 880-16732-6

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 05:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 05:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 05:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 05:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 05:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/11/22 08:40	07/12/22 05:16	1
1,4-Difluorobenzene (Surr)	88		70 - 130	07/11/22 08:40	07/12/22 05:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-57 (5.5')

Lab Sample ID: 880-16732-6

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 15:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/11/22 08:51	07/11/22 15:36	1
o-Terphenyl	113		70 - 130				07/11/22 08:51	07/11/22 15:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		4.98		mg/Kg			07/12/22 00:09	1

Client Sample ID: CS-58 (5.5')

Lab Sample ID: 880-16732-7

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 05:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 05:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 05:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 05:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 05:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/11/22 08:40	07/12/22 05:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/11/22 08:40	07/12/22 05:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/11/22 08:51	07/11/22 15:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/11/22 08:51	07/11/22 15:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-58 (5.5')

Lab Sample ID: 880-16732-7

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/11/22 08:51	07/11/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				07/11/22 08:51	07/11/22 15:58	1
o-Terphenyl	119		70 - 130				07/11/22 08:51	07/11/22 15:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		5.03		mg/Kg			07/12/22 00:16	1

Client Sample ID: CS-59 (5.5')

Lab Sample ID: 880-16732-8

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/11/22 08:40	07/12/22 05:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/11/22 08:40	07/12/22 05:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/11/22 08:40	07/12/22 05:57	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/11/22 08:40	07/12/22 05:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/11/22 08:40	07/12/22 05:57	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/11/22 08:40	07/12/22 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/11/22 08:40	07/12/22 05:57	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/11/22 08:40	07/12/22 05:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 16:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 16:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/11/22 08:51	07/11/22 16:20	1
o-Terphenyl	102		70 - 130				07/11/22 08:51	07/11/22 16:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.0		4.99		mg/Kg			07/12/22 00:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-60 (5.5')

Lab Sample ID: 880-16732-9

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 06:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 06:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 06:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 06:17	1
o-Xylene	0.00215		0.00199		mg/Kg		07/11/22 08:40	07/12/22 06:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 06:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	07/11/22 08:40	07/12/22 06:17	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/11/22 08:40	07/12/22 06:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 16:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 16:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	07/11/22 08:51	07/11/22 16:41	1
o-Terphenyl	122		70 - 130	07/11/22 08:51	07/11/22 16:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.1		5.04		mg/Kg			07/12/22 00:32	1

Client Sample ID: CS-61 (5.5')

Lab Sample ID: 880-16732-10

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 06:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 06:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 06:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 06:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 06:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/11/22 08:40	07/12/22 06:38	1
1,4-Difluorobenzene (Surr)	81		70 - 130	07/11/22 08:40	07/12/22 06:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-61 (5.5')

Lab Sample ID: 880-16732-10

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 17:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 17:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/11/22 08:51	07/11/22 17:03	1
o-Terphenyl	129		70 - 130				07/11/22 08:51	07/11/22 17:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.4		4.98		mg/Kg			07/12/22 00:40	1

Client Sample ID: CS-62 (5.5')

Lab Sample ID: 880-16732-11

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 08:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 08:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 08:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 08:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 08:40	07/12/22 08:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 08:40	07/12/22 08:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				07/11/22 08:40	07/12/22 08:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/11/22 08:40	07/12/22 08:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 17:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-62 (5.5')

Lab Sample ID: 880-16732-11

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/11/22 08:51	07/11/22 17:47	1
o-Terphenyl	113		70 - 130				07/11/22 08:51	07/11/22 17:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		4.96		mg/Kg			07/12/22 00:48	1

Client Sample ID: CS-214 (5.5')

Lab Sample ID: 880-16732-12

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 08:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 08:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 08:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 08:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 08:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/22 08:40	07/12/22 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				07/11/22 08:40	07/12/22 08:21	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/11/22 08:40	07/12/22 08:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/11/22 08:51	07/11/22 18:08	1
o-Terphenyl	94		70 - 130				07/11/22 08:51	07/11/22 18:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.3		4.98		mg/Kg			07/12/22 01:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-215 (5.5')

Lab Sample ID: 880-16732-13

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 22:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 22:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 22:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/11/22 14:13	07/11/22 22:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 22:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/11/22 14:13	07/11/22 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/11/22 14:13	07/11/22 22:07	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/11/22 14:13	07/11/22 22:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 18:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	07/11/22 08:51	07/11/22 18:30	1
o-Terphenyl	98		70 - 130	07/11/22 08:51	07/11/22 18:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.8		5.05		mg/Kg			07/12/22 01:19	1

Client Sample ID: CS-216 (5.5')

Lab Sample ID: 880-16732-14

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 22:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 22:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 22:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 22:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/11/22 22:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/11/22 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/11/22 14:13	07/11/22 22:28	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/11/22 14:13	07/11/22 22:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-216 (5.5')

Lab Sample ID: 880-16732-14

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 18:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 18:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/11/22 08:51	07/11/22 18:51	1
o-Terphenyl	119		70 - 130				07/11/22 08:51	07/11/22 18:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.0		5.00		mg/Kg			07/12/22 01:43	1

Client Sample ID: CS-217 (5.5')

Lab Sample ID: 880-16732-15

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 22:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 22:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 22:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/11/22 14:13	07/11/22 22:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 22:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/11/22 14:13	07/11/22 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/11/22 14:13	07/11/22 22:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/11/22 14:13	07/11/22 22:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 19:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 19:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-217 (5.5')

Lab Sample ID: 880-16732-15

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/11/22 08:51	07/11/22 19:13	1
o-Terphenyl	108		70 - 130				07/11/22 08:51	07/11/22 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		5.05		mg/Kg			07/12/22 01:51	1

Client Sample ID: SW-12 (1.0')

Lab Sample ID: 880-16732-16

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 23:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 23:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 23:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/11/22 14:13	07/11/22 23:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/11/22 14:13	07/11/22 23:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/11/22 14:13	07/11/22 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/11/22 14:13	07/11/22 23:09	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/11/22 14:13	07/11/22 23:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 19:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 19:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/11/22 08:51	07/11/22 19:35	1
o-Terphenyl	85		70 - 130				07/11/22 08:51	07/11/22 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.9		5.01		mg/Kg			07/12/22 01:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-16732-17

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 23:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 23:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 23:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/11/22 14:13	07/11/22 23:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 23:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/11/22 14:13	07/11/22 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	07/11/22 14:13	07/11/22 23:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/11/22 14:13	07/11/22 23:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 19:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 19:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	07/11/22 08:51	07/11/22 19:56	1
o-Terphenyl	73		70 - 130	07/11/22 08:51	07/11/22 19:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.5		4.95		mg/Kg			07/12/22 02:06	1

Client Sample ID: SW-18 (5.5')

Lab Sample ID: 880-16732-18

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/11/22 14:13	07/11/22 23:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/11/22 14:13	07/11/22 23:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/11/22 14:13	07/11/22 23:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/11/22 14:13	07/11/22 23:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/11/22 14:13	07/11/22 23:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/11/22 14:13	07/11/22 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/11/22 14:13	07/11/22 23:50	1
1,4-Difluorobenzene (Surr)	86		70 - 130	07/11/22 14:13	07/11/22 23:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-18 (5.5')

Lab Sample ID: 880-16732-18

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/11/22 08:51	07/11/22 20:18	1
o-Terphenyl	101		70 - 130				07/11/22 08:51	07/11/22 20:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		5.03		mg/Kg			07/12/22 02:14	1

Client Sample ID: SW-19 (2.5')

Lab Sample ID: 880-16732-19

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/12/22 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/12/22 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/12/22 00:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/11/22 14:13	07/12/22 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/12/22 00:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/11/22 14:13	07/12/22 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/11/22 14:13	07/12/22 00:10	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/11/22 14:13	07/12/22 00:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 20:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 20:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-19 (2.5')

Lab Sample ID: 880-16732-19

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				07/11/22 08:51	07/11/22 20:39	1
o-Terphenyl	82		70 - 130				07/11/22 08:51	07/11/22 20:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		4.98		mg/Kg			07/12/22 02:22	1

Client Sample ID: SW-20 (3.5')

Lab Sample ID: 880-16732-20

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/12/22 00:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/12/22 00:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/12/22 00:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/12/22 00:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/11/22 14:13	07/12/22 00:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/11/22 14:13	07/12/22 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/11/22 14:13	07/12/22 00:31	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/11/22 14:13	07/12/22 00:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 21:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 21:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:51	07/11/22 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/11/22 08:51	07/11/22 21:01	1
o-Terphenyl	88		70 - 130				07/11/22 08:51	07/11/22 21:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		4.96		mg/Kg			07/12/22 02:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-21 (5.5')

Lab Sample ID: 880-16732-21

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/11/22 09:02	07/11/22 13:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/11/22 09:02	07/11/22 13:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/11/22 09:02	07/11/22 13:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/11/22 09:02	07/11/22 13:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/11/22 09:02	07/11/22 13:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/11/22 09:02	07/11/22 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	07/11/22 09:02	07/11/22 13:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/11/22 09:02	07/11/22 13:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 14:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 14:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	07/11/22 08:49	07/11/22 14:53	1
o-Terphenyl	106		70 - 130	07/11/22 08:49	07/11/22 14:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.8		4.97		mg/Kg			07/11/22 13:48	1

Client Sample ID: SW-62 (5.5')

Lab Sample ID: 880-16732-22

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/11/22 09:02	07/11/22 14:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/11/22 09:02	07/11/22 14:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/11/22 09:02	07/11/22 14:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/11/22 09:02	07/11/22 14:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/11/22 09:02	07/11/22 14:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/11/22 09:02	07/11/22 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/11/22 09:02	07/11/22 14:18	1
1,4-Difluorobenzene (Surr)	84		70 - 130	07/11/22 09:02	07/11/22 14:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-62 (5.5')

Lab Sample ID: 880-16732-22

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/11/22 16:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/12/22 07:45	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 15:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 15:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/11/22 08:49	07/11/22 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/11/22 08:49	07/11/22 15:15	1
o-Terphenyl	108		70 - 130				07/11/22 08:49	07/11/22 15:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.9		4.95		mg/Kg			07/11/22 13:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
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)
880-16732-1	CS-52 (5.5')	105	89
880-16732-1 MS	CS-52 (5.5')	100	86
880-16732-1 MSD	CS-52 (5.5')	95	114
880-16732-2	CS-53 (5.5')	108	89
880-16732-3	CS-54 (5.5')	79	97
880-16732-4	CS-55 (5.5')	107	89
880-16732-5	CS-56 (5.5')	108	87
880-16732-6	CS-57 (5.5')	106	88
880-16732-7	CS-58 (5.5')	112	90
880-16732-8	CS-59 (5.5')	109	88
880-16732-9	CS-60 (5.5')	97	98
880-16732-10	CS-61 (5.5')	107	81
880-16732-11	CS-62 (5.5')	105	89
880-16732-12	CS-214 (5.5')	88	86
880-16732-13	CS-215 (5.5')	106	92
880-16732-14	CS-216 (5.5')	102	82
880-16732-15	CS-217 (5.5')	101	95
880-16732-16	SW-12 (1.0')	104	90
880-16732-17	SW-13 (1.5')	108	92
880-16732-18	SW-18 (5.5')	107	86
880-16732-19	SW-19 (2.5')	106	86
880-16732-20	SW-20 (3.5')	108	86
880-16732-21	SW-21 (5.5')	132 S1+	93
880-16732-22	SW-62 (5.5')	116	84
890-2471-A-15-G MS	Matrix Spike	113	97
890-2471-A-15-H MSD	Matrix Spike Duplicate	109	99
LCS 880-29368/1-A	Lab Control Sample	112	88
LCS 880-29391/1-A	Lab Control Sample	105	95
LCS 880-29445/1-A	Lab Control Sample	101	96
LCSD 880-29368/2-A	Lab Control Sample Dup	110	100
LCSD 880-29391/2-A	Lab Control Sample Dup	103	92
LCSD 880-29445/2-A	Lab Control Sample Dup	100	98
MB 880-29368/5-A	Method Blank	81	80
MB 880-29391/5-A	Method Blank	102	83
MB 880-29445/5-A	Method Blank	93	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-16732-1	CS-52 (5.5')	81	91
880-16732-1 MS	CS-52 (5.5')	83	82
880-16732-1 MSD	CS-52 (5.5')	68 S1-	68 S1-
880-16732-2	CS-53 (5.5')	91	107

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Surrogate Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
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)
880-16732-3	CS-54 (5.5')	74	78
880-16732-4	CS-55 (5.5')	102	122
880-16732-5	CS-56 (5.5')	93	110
880-16732-6	CS-57 (5.5')	92	113
880-16732-7	CS-58 (5.5')	98	119
880-16732-8	CS-59 (5.5')	87	102
880-16732-9	CS-60 (5.5')	100	122
880-16732-10	CS-61 (5.5')	112	129
880-16732-11	CS-62 (5.5')	92	113
880-16732-12	CS-214 (5.5')	83	94
880-16732-13	CS-215 (5.5')	84	98
880-16732-14	CS-216 (5.5')	99	119
880-16732-15	CS-217 (5.5')	90	108
880-16732-16	SW-12 (1.0')	81	85
880-16732-17	SW-13 (1.5')	71	73
880-16732-18	SW-18 (5.5')	97	101
880-16732-19	SW-19 (2.5')	75	82
880-16732-20	SW-20 (3.5')	81	88
880-16732-21	SW-21 (5.5')	95	106
880-16732-22	SW-62 (5.5')	94	108
LCS 880-29396/2-A	Lab Control Sample	102	112
LCS 880-29397/2-A	Lab Control Sample	120	136 S1+
LCSD 880-29396/3-A	Lab Control Sample Dup	113	122
LCSD 880-29397/3-A	Lab Control Sample Dup	112	128
MB 880-29396/1-A	Method Blank	111	122
MB 880-29397/1-A	Method Blank	99	126

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
890-2511-A-1-K MS	Matrix Spike		
890-2511-A-1-L MSD	Matrix Spike Duplicate		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-29368/5-A

Matrix: Solid

Analysis Batch: 29380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/10/22 14:09	07/11/22 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/10/22 14:09	07/11/22 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/10/22 14:09	07/11/22 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/10/22 14:09	07/11/22 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/10/22 14:09	07/11/22 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/10/22 14:09	07/11/22 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	07/10/22 14:09	07/11/22 11:51	1
1,4-Difluorobenzene (Surr)	80		70 - 130	07/10/22 14:09	07/11/22 11:51	1

Lab Sample ID: LCS 880-29368/1-A

Matrix: Solid

Analysis Batch: 29380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08866		mg/Kg		89	70 - 130
Toluene	0.100	0.09470		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2112		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-29368/2-A

Matrix: Solid

Analysis Batch: 29380

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29368

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08703		mg/Kg		87	70 - 130	2	35
Toluene	0.100	0.09286		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.09545		mg/Kg		95	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1961		mg/Kg		98	70 - 130	7	35
o-Xylene	0.100	0.1010		mg/Kg		101	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2471-A-15-G MS

Matrix: Solid

Analysis Batch: 29380

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1009		mg/Kg		100	70 - 130
Toluene	<0.00199	U	0.101	0.1036		mg/Kg		103	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2471-A-15-G MS

Matrix: Solid

Analysis Batch: 29380

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29368

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.101	0.1069		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2174		mg/Kg		108	70 - 130
o-Xylene	<0.00199	U	0.101	0.1133		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-2471-A-15-H MSD

Matrix: Solid

Analysis Batch: 29380

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29368

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.1046		mg/Kg		104	70 - 130	4	35
Toluene	<0.00199	U	0.101	0.09876		mg/Kg		98	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.101	0.1006		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2063		mg/Kg		103	70 - 130	5	35
o-Xylene	<0.00199	U	0.101	0.1044		mg/Kg		104	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-29391/5-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/22 08:40	07/12/22 03:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 08:40	07/12/22 03:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/22 08:40	07/12/22 03:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/11/22 08:40	07/12/22 03:12	1
1,4-Difluorobenzene (Surr)	83		70 - 130	07/11/22 08:40	07/12/22 03:12	1

Lab Sample ID: LCS 880-29391/1-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08483		mg/Kg		85	70 - 130
Toluene	0.100	0.08619		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.09024		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1818		mg/Kg		91	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-29391/1-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1018		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-29391/2-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29391

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08112		mg/Kg		81	70 - 130	4	35
Toluene	0.100	0.08419		mg/Kg		84	70 - 130	2	35
Ethylbenzene	0.100	0.08949		mg/Kg		89	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1769		mg/Kg		88	70 - 130	3	35
o-Xylene	0.100	0.09821		mg/Kg		98	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-16732-1 MS

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: CS-52 (5.5')

Prep Type: Total/NA

Prep Batch: 29391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.03710	F1	mg/Kg		37	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.04477	F1	mg/Kg		45	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.04766	F1	mg/Kg		48	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.09470	F1	mg/Kg		47	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.05662	F1	mg/Kg		57	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-16732-1 MSD

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: CS-52 (5.5')

Prep Type: Total/NA

Prep Batch: 29391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.0998	0.01489	F2 F1	mg/Kg		15	70 - 130	85	35
Toluene	<0.00200	U F2 F1	0.0998	0.01859	F2 F1	mg/Kg		19	70 - 130	83	35
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.02264	F2 F1	mg/Kg		23	70 - 130	71	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.03819	F2 F1	mg/Kg		19	70 - 130	85	35
o-Xylene	<0.00200	U F2 F1	0.0998	0.02499	F2 F1	mg/Kg		25	70 - 130	78	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-16732-1 MSD

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: CS-52 (5.5')

Prep Type: Total/NA

Prep Batch: 29391

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: MB 880-29445/5-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29445

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/11/22 14:13	07/11/22 16:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/11/22 14:13	07/11/22 16:15	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	93		70 - 130	07/11/22 14:13	07/11/22 16:15	1			
1,4-Difluorobenzene (Surr)	88		70 - 130	07/11/22 14:13	07/11/22 16:15	1			

Lab Sample ID: LCS 880-29445/1-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Benzene	0.100	0.09991		mg/Kg		100		70 - 130	
Toluene	0.100	0.09740		mg/Kg		97		70 - 130	
Ethylbenzene	0.100	0.1020		mg/Kg		102		70 - 130	
m-Xylene & p-Xylene	0.200	0.2039		mg/Kg		102		70 - 130	
o-Xylene	0.100	0.1107		mg/Kg		111		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-29445/2-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29445

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09443		mg/Kg		94		70 - 130	6	35
Toluene	0.100	0.09211		mg/Kg		92		70 - 130	6	35
Ethylbenzene	0.100	0.09493		mg/Kg		95		70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1892		mg/Kg		95		70 - 130	7	35
o-Xylene	0.100	0.1031		mg/Kg		103		70 - 130	7	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-29445/2-A

Matrix: Solid

Analysis Batch: 29444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29445

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	98		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-29396/1-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29396

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 12:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 12:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:49	07/11/22 12:00	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
%Recovery	Qualifier								
1-Chlorooctane	111		70 - 130				07/11/22 08:49	07/11/22 12:00	1
o-Terphenyl	122		70 - 130				07/11/22 08:49	07/11/22 12:00	1

Lab Sample ID: LCS 880-29396/2-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1192		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1062		mg/Kg		106	70 - 130
Surrogate	LCS	LCS	Limits				
%Recovery	Qualifier						
1-Chlorooctane	102		70 - 130				
o-Terphenyl	112		70 - 130				

Lab Sample ID: LCSD 880-29396/3-A

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1175		mg/Kg		117	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1258		mg/Kg		126	70 - 130	17	20
Surrogate	LCSD	LCSD	Limits						
%Recovery	Qualifier								
1-Chlorooctane	113		70 - 130						
o-Terphenyl	122		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2511-A-1-K MS

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 29396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			996	891.2		mg/Kg			
Diesel Range Organics (Over C10-C28)			996	843.9		mg/Kg			
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane									
o-Terphenyl									

Lab Sample ID: 890-2511-A-1-L MSD

Matrix: Solid

Analysis Batch: 29371

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 29396

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			998	873.1		mg/Kg					
Diesel Range Organics (Over C10-C28)			998	834.6		mg/Kg					
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane											
o-Terphenyl											

Lab Sample ID: MB 880-29397/1-A

Matrix: Solid

Analysis Batch: 29369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 12:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 12:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/11/22 08:51	07/11/22 12:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/11/22 08:51	07/11/22 12:00	1
o-Terphenyl	126		70 - 130				07/11/22 08:51	07/11/22 12:00	1

Lab Sample ID: LCS 880-29397/2-A

Matrix: Solid

Analysis Batch: 29369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	937.0		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-29397/2-A

Matrix: Solid

Analysis Batch: 29369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29397

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-29397/3-A

Matrix: Solid

Analysis Batch: 29369

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29397

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	919.7		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1005		mg/Kg		101	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 880-16732-1 MS

Matrix: Solid

Analysis Batch: 29369

Client Sample ID: CS-52 (5.5')

Prep Type: Total/NA

Prep Batch: 29397

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	974.9		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F2	996	885.1		mg/Kg		89	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-16732-1 MSD

Matrix: Solid

Analysis Batch: 29369

Client Sample ID: CS-52 (5.5')

Prep Type: Total/NA

Prep Batch: 29397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	859.5		mg/Kg		84	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	998	708.1	F2	mg/Kg		71	70 - 130	22	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	68	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-29381/1-A

Matrix: Solid

Analysis Batch: 29440

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			07/11/22 12:53	1

Lab Sample ID: LCS 880-29381/2-A

Matrix: Solid

Analysis Batch: 29440

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	226.9		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-29381/3-A

Matrix: Solid

Analysis Batch: 29440

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	229.4		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-2509-A-1-F MS

Matrix: Solid

Analysis Batch: 29440

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	298	F1	249	519.2	F1	mg/Kg		89	90 - 110

Lab Sample ID: 890-2509-A-1-G MSD

Matrix: Solid

Analysis Batch: 29440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	298	F1	249	521.3		mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-29403/1-A

Matrix: Solid

Analysis Batch: 29447

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			07/11/22 22:34	1

Lab Sample ID: LCS 880-29403/2-A

Matrix: Solid

Analysis Batch: 29447

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.2		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-29403/3-A

Matrix: Solid

Analysis Batch: 29447

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	236.8		mg/Kg		95	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-16732-1 MS

Matrix: Solid

Analysis Batch: 29447

Client Sample ID: CS-52 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	43.9		252	280.2		mg/Kg		94	90 - 110		

Lab Sample ID: 880-16732-1 MSD

Matrix: Solid

Analysis Batch: 29447

Client Sample ID: CS-52 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.9		252	283.2		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-16732-11 MS

Matrix: Solid

Analysis Batch: 29447

Client Sample ID: CS-62 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	52.5		248	279.0		mg/Kg		91	90 - 110		

Lab Sample ID: 880-16732-11 MSD

Matrix: Solid

Analysis Batch: 29447

Client Sample ID: CS-62 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	52.5		248	279.6		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 29368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-21	SW-21 (5.5')	Total/NA	Solid	5035	
880-16732-22	SW-62 (5.5')	Total/NA	Solid	5035	
MB 880-29368/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29368/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29368/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2471-A-15-G MS	Matrix Spike	Total/NA	Solid	5035	
890-2471-A-15-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 29380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-21	SW-21 (5.5')	Total/NA	Solid	8021B	29368
880-16732-22	SW-62 (5.5')	Total/NA	Solid	8021B	29368
MB 880-29368/5-A	Method Blank	Total/NA	Solid	8021B	29368
LCS 880-29368/1-A	Lab Control Sample	Total/NA	Solid	8021B	29368
LCSD 880-29368/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29368
890-2471-A-15-G MS	Matrix Spike	Total/NA	Solid	8021B	29368
890-2471-A-15-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	29368

Prep Batch: 29391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Total/NA	Solid	5035	
880-16732-2	CS-53 (5.5')	Total/NA	Solid	5035	
880-16732-3	CS-54 (5.5')	Total/NA	Solid	5035	
880-16732-4	CS-55 (5.5')	Total/NA	Solid	5035	
880-16732-5	CS-56 (5.5')	Total/NA	Solid	5035	
880-16732-6	CS-57 (5.5')	Total/NA	Solid	5035	
880-16732-7	CS-58 (5.5')	Total/NA	Solid	5035	
880-16732-8	CS-59 (5.5')	Total/NA	Solid	5035	
880-16732-9	CS-60 (5.5')	Total/NA	Solid	5035	
880-16732-10	CS-61 (5.5')	Total/NA	Solid	5035	
880-16732-11	CS-62 (5.5')	Total/NA	Solid	5035	
880-16732-12	CS-214 (5.5')	Total/NA	Solid	5035	
MB 880-29391/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29391/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29391/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16732-1 MS	CS-52 (5.5')	Total/NA	Solid	5035	
880-16732-1 MSD	CS-52 (5.5')	Total/NA	Solid	5035	

Analysis Batch: 29444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Total/NA	Solid	8021B	29391
880-16732-2	CS-53 (5.5')	Total/NA	Solid	8021B	29391
880-16732-3	CS-54 (5.5')	Total/NA	Solid	8021B	29391
880-16732-4	CS-55 (5.5')	Total/NA	Solid	8021B	29391
880-16732-5	CS-56 (5.5')	Total/NA	Solid	8021B	29391
880-16732-6	CS-57 (5.5')	Total/NA	Solid	8021B	29391
880-16732-7	CS-58 (5.5')	Total/NA	Solid	8021B	29391
880-16732-8	CS-59 (5.5')	Total/NA	Solid	8021B	29391
880-16732-9	CS-60 (5.5')	Total/NA	Solid	8021B	29391
880-16732-10	CS-61 (5.5')	Total/NA	Solid	8021B	29391
880-16732-11	CS-62 (5.5')	Total/NA	Solid	8021B	29391

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 29444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-12	CS-214 (5.5')	Total/NA	Solid	8021B	29391
880-16732-13	CS-215 (5.5')	Total/NA	Solid	8021B	29445
880-16732-14	CS-216 (5.5')	Total/NA	Solid	8021B	29445
880-16732-15	CS-217 (5.5')	Total/NA	Solid	8021B	29445
880-16732-16	SW-12 (1.0')	Total/NA	Solid	8021B	29445
880-16732-17	SW-13 (1.5')	Total/NA	Solid	8021B	29445
880-16732-18	SW-18 (5.5')	Total/NA	Solid	8021B	29445
880-16732-19	SW-19 (2.5')	Total/NA	Solid	8021B	29445
880-16732-20	SW-20 (3.5')	Total/NA	Solid	8021B	29445
MB 880-29391/5-A	Method Blank	Total/NA	Solid	8021B	29391
MB 880-29445/5-A	Method Blank	Total/NA	Solid	8021B	29445
LCS 880-29391/1-A	Lab Control Sample	Total/NA	Solid	8021B	29391
LCS 880-29445/1-A	Lab Control Sample	Total/NA	Solid	8021B	29445
LCSD 880-29391/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29391
LCSD 880-29445/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	29445
880-16732-1 MS	CS-52 (5.5')	Total/NA	Solid	8021B	29391
880-16732-1 MSD	CS-52 (5.5')	Total/NA	Solid	8021B	29391

Prep Batch: 29445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-13	CS-215 (5.5')	Total/NA	Solid	5035	
880-16732-14	CS-216 (5.5')	Total/NA	Solid	5035	
880-16732-15	CS-217 (5.5')	Total/NA	Solid	5035	
880-16732-16	SW-12 (1.0')	Total/NA	Solid	5035	
880-16732-17	SW-13 (1.5')	Total/NA	Solid	5035	
880-16732-18	SW-18 (5.5')	Total/NA	Solid	5035	
880-16732-19	SW-19 (2.5')	Total/NA	Solid	5035	
880-16732-20	SW-20 (3.5')	Total/NA	Solid	5035	
MB 880-29445/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-29445/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-29445/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 29463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-2	CS-53 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-3	CS-54 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-4	CS-55 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-5	CS-56 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-6	CS-57 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-7	CS-58 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-8	CS-59 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-9	CS-60 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-10	CS-61 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-11	CS-62 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-12	CS-214 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-13	CS-215 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-14	CS-216 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-15	CS-217 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-16	SW-12 (1.0')	Total/NA	Solid	Total BTEX	
880-16732-17	SW-13 (1.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 29463 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-18	SW-18 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-19	SW-19 (2.5')	Total/NA	Solid	Total BTEX	
880-16732-20	SW-20 (3.5')	Total/NA	Solid	Total BTEX	
880-16732-21	SW-21 (5.5')	Total/NA	Solid	Total BTEX	
880-16732-22	SW-62 (5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 29369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-2	CS-53 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-3	CS-54 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-4	CS-55 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-5	CS-56 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-6	CS-57 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-7	CS-58 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-8	CS-59 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-9	CS-60 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-10	CS-61 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-11	CS-62 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-12	CS-214 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-13	CS-215 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-14	CS-216 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-15	CS-217 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-16	SW-12 (1.0')	Total/NA	Solid	8015B NM	29397
880-16732-17	SW-13 (1.5')	Total/NA	Solid	8015B NM	29397
880-16732-18	SW-18 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-19	SW-19 (2.5')	Total/NA	Solid	8015B NM	29397
880-16732-20	SW-20 (3.5')	Total/NA	Solid	8015B NM	29397
MB 880-29397/1-A	Method Blank	Total/NA	Solid	8015B NM	29397
LCS 880-29397/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29397
LCSD 880-29397/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29397
880-16732-1 MS	CS-52 (5.5')	Total/NA	Solid	8015B NM	29397
880-16732-1 MSD	CS-52 (5.5')	Total/NA	Solid	8015B NM	29397

Analysis Batch: 29371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-21	SW-21 (5.5')	Total/NA	Solid	8015B NM	29396
880-16732-22	SW-62 (5.5')	Total/NA	Solid	8015B NM	29396
MB 880-29396/1-A	Method Blank	Total/NA	Solid	8015B NM	29396
LCS 880-29396/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	29396
LCSD 880-29396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	29396
890-2511-A-1-K MS	Matrix Spike	Total/NA	Solid	8015B NM	29396
890-2511-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	29396

Prep Batch: 29396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-21	SW-21 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-22	SW-62 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-29396/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 29396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-29396/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2511-A-1-K MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2511-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 29397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-2	CS-53 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-3	CS-54 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-4	CS-55 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-5	CS-56 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-6	CS-57 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-7	CS-58 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-8	CS-59 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-9	CS-60 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-10	CS-61 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-11	CS-62 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-12	CS-214 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-13	CS-215 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-14	CS-216 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-15	CS-217 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-16	SW-12 (1.0')	Total/NA	Solid	8015NM Prep	
880-16732-17	SW-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-16732-18	SW-18 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-19	SW-19 (2.5')	Total/NA	Solid	8015NM Prep	
880-16732-20	SW-20 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-29397/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-29397/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-29397/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16732-1 MS	CS-52 (5.5')	Total/NA	Solid	8015NM Prep	
880-16732-1 MSD	CS-52 (5.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 29492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Total/NA	Solid	8015 NM	
880-16732-2	CS-53 (5.5')	Total/NA	Solid	8015 NM	
880-16732-3	CS-54 (5.5')	Total/NA	Solid	8015 NM	
880-16732-4	CS-55 (5.5')	Total/NA	Solid	8015 NM	
880-16732-5	CS-56 (5.5')	Total/NA	Solid	8015 NM	
880-16732-6	CS-57 (5.5')	Total/NA	Solid	8015 NM	
880-16732-7	CS-58 (5.5')	Total/NA	Solid	8015 NM	
880-16732-8	CS-59 (5.5')	Total/NA	Solid	8015 NM	
880-16732-9	CS-60 (5.5')	Total/NA	Solid	8015 NM	
880-16732-10	CS-61 (5.5')	Total/NA	Solid	8015 NM	
880-16732-11	CS-62 (5.5')	Total/NA	Solid	8015 NM	
880-16732-12	CS-214 (5.5')	Total/NA	Solid	8015 NM	
880-16732-13	CS-215 (5.5')	Total/NA	Solid	8015 NM	
880-16732-14	CS-216 (5.5')	Total/NA	Solid	8015 NM	
880-16732-15	CS-217 (5.5')	Total/NA	Solid	8015 NM	
880-16732-16	SW-12 (1.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 29492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-17	SW-13 (1.5')	Total/NA	Solid	8015 NM	
880-16732-18	SW-18 (5.5')	Total/NA	Solid	8015 NM	
880-16732-19	SW-19 (2.5')	Total/NA	Solid	8015 NM	
880-16732-20	SW-20 (3.5')	Total/NA	Solid	8015 NM	
880-16732-21	SW-21 (5.5')	Total/NA	Solid	8015 NM	
880-16732-22	SW-62 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 29381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-21	SW-21 (5.5')	Soluble	Solid	DI Leach	
880-16732-22	SW-62 (5.5')	Soluble	Solid	DI Leach	
MB 880-29381/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29381/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29381/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2509-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2509-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 29403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Soluble	Solid	DI Leach	
880-16732-2	CS-53 (5.5')	Soluble	Solid	DI Leach	
880-16732-3	CS-54 (5.5')	Soluble	Solid	DI Leach	
880-16732-4	CS-55 (5.5')	Soluble	Solid	DI Leach	
880-16732-5	CS-56 (5.5')	Soluble	Solid	DI Leach	
880-16732-6	CS-57 (5.5')	Soluble	Solid	DI Leach	
880-16732-7	CS-58 (5.5')	Soluble	Solid	DI Leach	
880-16732-8	CS-59 (5.5')	Soluble	Solid	DI Leach	
880-16732-9	CS-60 (5.5')	Soluble	Solid	DI Leach	
880-16732-10	CS-61 (5.5')	Soluble	Solid	DI Leach	
880-16732-11	CS-62 (5.5')	Soluble	Solid	DI Leach	
880-16732-12	CS-214 (5.5')	Soluble	Solid	DI Leach	
880-16732-13	CS-215 (5.5')	Soluble	Solid	DI Leach	
880-16732-14	CS-216 (5.5')	Soluble	Solid	DI Leach	
880-16732-15	CS-217 (5.5')	Soluble	Solid	DI Leach	
880-16732-16	SW-12 (1.0')	Soluble	Solid	DI Leach	
880-16732-17	SW-13 (1.5')	Soluble	Solid	DI Leach	
880-16732-18	SW-18 (5.5')	Soluble	Solid	DI Leach	
880-16732-19	SW-19 (2.5')	Soluble	Solid	DI Leach	
880-16732-20	SW-20 (3.5')	Soluble	Solid	DI Leach	
MB 880-29403/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-29403/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-29403/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16732-1 MS	CS-52 (5.5')	Soluble	Solid	DI Leach	
880-16732-1 MSD	CS-52 (5.5')	Soluble	Solid	DI Leach	
880-16732-11 MS	CS-62 (5.5')	Soluble	Solid	DI Leach	
880-16732-11 MSD	CS-62 (5.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

HPLC/IC

Analysis Batch: 29440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-21	SW-21 (5.5')	Soluble	Solid	300.0	29381
880-16732-22	SW-62 (5.5')	Soluble	Solid	300.0	29381
MB 880-29381/1-A	Method Blank	Soluble	Solid	300.0	29381
LCS 880-29381/2-A	Lab Control Sample	Soluble	Solid	300.0	29381
LCSD 880-29381/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29381
890-2509-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	29381
890-2509-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	29381

Analysis Batch: 29447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16732-1	CS-52 (5.5')	Soluble	Solid	300.0	29403
880-16732-2	CS-53 (5.5')	Soluble	Solid	300.0	29403
880-16732-3	CS-54 (5.5')	Soluble	Solid	300.0	29403
880-16732-4	CS-55 (5.5')	Soluble	Solid	300.0	29403
880-16732-5	CS-56 (5.5')	Soluble	Solid	300.0	29403
880-16732-6	CS-57 (5.5')	Soluble	Solid	300.0	29403
880-16732-7	CS-58 (5.5')	Soluble	Solid	300.0	29403
880-16732-8	CS-59 (5.5')	Soluble	Solid	300.0	29403
880-16732-9	CS-60 (5.5')	Soluble	Solid	300.0	29403
880-16732-10	CS-61 (5.5')	Soluble	Solid	300.0	29403
880-16732-11	CS-62 (5.5')	Soluble	Solid	300.0	29403
880-16732-12	CS-214 (5.5')	Soluble	Solid	300.0	29403
880-16732-13	CS-215 (5.5')	Soluble	Solid	300.0	29403
880-16732-14	CS-216 (5.5')	Soluble	Solid	300.0	29403
880-16732-15	CS-217 (5.5')	Soluble	Solid	300.0	29403
880-16732-16	SW-12 (1.0')	Soluble	Solid	300.0	29403
880-16732-17	SW-13 (1.5')	Soluble	Solid	300.0	29403
880-16732-18	SW-18 (5.5')	Soluble	Solid	300.0	29403
880-16732-19	SW-19 (2.5')	Soluble	Solid	300.0	29403
880-16732-20	SW-20 (3.5')	Soluble	Solid	300.0	29403
MB 880-29403/1-A	Method Blank	Soluble	Solid	300.0	29403
LCS 880-29403/2-A	Lab Control Sample	Soluble	Solid	300.0	29403
LCSD 880-29403/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	29403
880-16732-1 MS	CS-52 (5.5')	Soluble	Solid	300.0	29403
880-16732-1 MSD	CS-52 (5.5')	Soluble	Solid	300.0	29403
880-16732-11 MS	CS-62 (5.5')	Soluble	Solid	300.0	29403
880-16732-11 MSD	CS-62 (5.5')	Soluble	Solid	300.0	29403

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-52 (5.5')

Lab Sample ID: 880-16732-1

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 03:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 13:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/11/22 22:58	CH	XEN MID

Client Sample ID: CS-53 (5.5')

Lab Sample ID: 880-16732-2

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 03:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 14:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/11/22 23:22	CH	XEN MID

Client Sample ID: CS-54 (5.5')

Lab Sample ID: 880-16732-3

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 04:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 14:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/11/22 23:29	CH	XEN MID

Client Sample ID: CS-55 (5.5')

Lab Sample ID: 880-16732-4

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 04:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-55 (5.5')

Lab Sample ID: 880-16732-4

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 14:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/11/22 23:37	CH	XEN MID

Client Sample ID: CS-56 (5.5')

Lab Sample ID: 880-16732-5

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 04:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 15:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/11/22 23:45	CH	XEN MID

Client Sample ID: CS-57 (5.5')

Lab Sample ID: 880-16732-6

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 05:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 15:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 00:09	CH	XEN MID

Client Sample ID: CS-58 (5.5')

Lab Sample ID: 880-16732-7

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 05:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 15:58	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-58 (5.5')

Lab Sample ID: 880-16732-7

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 00:16	CH	XEN MID

Client Sample ID: CS-59 (5.5')

Lab Sample ID: 880-16732-8

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 05:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 00:24	CH	XEN MID

Client Sample ID: CS-60 (5.5')

Lab Sample ID: 880-16732-9

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 06:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 00:32	CH	XEN MID

Client Sample ID: CS-61 (5.5')

Lab Sample ID: 880-16732-10

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 06:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 17:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 00:40	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-62 (5.5')

Lab Sample ID: 880-16732-11

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 08:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 17:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 00:48	CH	XEN MID

Client Sample ID: CS-214 (5.5')

Lab Sample ID: 880-16732-12

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29391	07/11/22 08:40	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 08:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 18:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 01:11	CH	XEN MID

Client Sample ID: CS-215 (5.5')

Lab Sample ID: 880-16732-13

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 22:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 18:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	29447	07/12/22 01:19	CH	XEN MID

Client Sample ID: CS-216 (5.5')

Lab Sample ID: 880-16732-14

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 22:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: CS-216 (5.5')

Lab Sample ID: 880-16732-14

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 01:43	CH	XEN MID

Client Sample ID: CS-217 (5.5')

Lab Sample ID: 880-16732-15

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 22:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 01:51	CH	XEN MID

Client Sample ID: SW-12 (1.0')

Lab Sample ID: 880-16732-16

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 23:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 01:58	CH	XEN MID

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-16732-17

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 23:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 19:56	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-16732-17

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 02:06	CH	XEN MID

Client Sample ID: SW-18 (5.5')

Lab Sample ID: 880-16732-18

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/11/22 23:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 20:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 02:14	CH	XEN MID

Client Sample ID: SW-19 (2.5')

Lab Sample ID: 880-16732-19

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 00:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 20:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 02:22	CH	XEN MID

Client Sample ID: SW-20 (3.5')

Lab Sample ID: 880-16732-20

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29445	07/11/22 14:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	29444	07/12/22 00:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29397	07/11/22 08:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29369	07/11/22 21:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	29403	07/11/22 09:15	KS	XEN MID
Soluble	Analysis	300.0		1			29447	07/12/22 02:30	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Client Sample ID: SW-21 (5.5')

Lab Sample ID: 880-16732-21

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

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	29368	07/11/22 09:02	EL	XEN MID
Total/NA	Analysis	8021B		1			29380	07/11/22 13:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 14:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 13:48	CH	XEN MID

Client Sample ID: SW-62 (5.5')

Lab Sample ID: 880-16732-22

Date Collected: 07/10/22 00:00

Matrix: Solid

Date Received: 07/11/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	29368	07/11/22 09:02	EL	XEN MID
Total/NA	Analysis	8021B		1			29380	07/11/22 14:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			29463	07/11/22 16:45	SM	XEN MID
Total/NA	Analysis	8015 NM		1			29492	07/12/22 07:45	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	29396	07/11/22 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			29371	07/11/22 15:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	29381	07/11/22 08:28	KS	XEN MID
Soluble	Analysis	300.0		1			29440	07/11/22 13:55	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Cosmo Booster

Job ID: 880-16732-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16732-1	CS-52 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-2	CS-53 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-3	CS-54 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-4	CS-55 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-5	CS-56 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-6	CS-57 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-7	CS-58 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-8	CS-59 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-9	CS-60 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-10	CS-61 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-11	CS-62 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-12	CS-214 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-13	CS-215 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-14	CS-216 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-15	CS-217 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-16	SW-12 (1.0')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-17	SW-13 (1.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-18	SW-18 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-19	SW-19 (2.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-20	SW-20 (3.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-21	SW-21 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15
880-16732-22	SW-62 (5.5')	Solid	07/10/22 00:00	07/11/22 08:15

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Work Order No: 10732

Project Manager
Company Name
Address
City, State ZIP
Phone

Conner Moehring
Carmona Resources
310 W Wall St Ste 415
Midland, TX 79701
432 813.6823

Bill to (if different)
Company Name
Address
City, State ZIP
Email

Joseph Vargo
NGL Water Solutions Permian
865 North Albion St. Ste 400
Denver, CO 80220
joseph.vargo@nnglp.com

Project Name
Project Number
Project Location
Sampler's Name
PO #

Cosmo Booster
1028
Lea Co, NM
CRM
TAT starts the day received by the lab if received by 4:30pm

Temp Blank
Received Intact
Cooler Custody Seals
Sample Custody Seals
Total Containers

Yes
Yes
Yes
Yes

No
No
No
No

N/A
N/A
N/A
N/A

Corrected Temperature

Yes
Yes
Yes
Yes

No
No
No
No

Thermometer ID
Correction Factor
Temperature Reading

Yes
Yes
Yes
Yes

No
No
No
No

Mer Ice
Corrected Temperature

Parameters
BTX 8021B
TPH 8015M (GRO + DRO + MRO)
Chloride 300.0

ANALYSIS REQUEST

Program: UST/PST
State of Project:
Reporting Level II
Deliverables, EDD

☐ PRP
☐ Brownfields
☐ PST/UST
☐ RRP
☐ Level IV

☐ RRC
☐ Upfront
☐ Level III
☐ Adapt
☐ Other

Preservative Codes

None NO
Cool Cool
HCL HC
H2SO4 H2
H3PO4 HP
NaHSO4 NABIS
Na2S2O3 NaSO3
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

DI Water H2O
MeOH Me
HNO3 HN
NaOH Na

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-52 (5.5)	7/10/2022		X		C	1			
CS-53 (5.5)	7/10/2022		X		C	1			
CS-54 (5.5)	7/10/2022		X		C	1			
CS-55 (5.5)	7/10/2022		X		C	1			
CS-56 (5.5)	7/10/2022		X		C	1			
CS-57 (5.5)	7/10/2022		X		C	1			
CS-58 (5.5)	7/10/2022		X		C	1			
CS-59 (5.5)	7/10/2022		X		C	1			
CS-60 (5.5)	7/10/2022		X		C	1			
CS-61 (5.5)	7/10/2022		X		C	1			

880-16732 Chain of Custody

Relinquished by (Signature)
Date/Time
7/14/22 0515

Received by (Signature)
Date/Time

Released to Imaging: 7/19/2022 4:08:37 PM

Page 49 of 52

7/12/2022

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Work Order No: 16732

Page 2 of 3

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432.813.6823	Email	joseph.vargo@nngp.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Upstream ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name		Cosmo Booster		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1028		☐ Routine	☒ Rush													None NO	DI Water H ₂ O			
Project Location	Lea Co, NM		Due Date	24 Hrs													Cool Cool	MeOH Me			
Sampler's Name	CRM		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	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	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											Sample Comments			
CS-62 (5.5')		7/10/2022		X		C	1	BTEX 8021B													
CS-214 (5.5')		7/10/2022		X		C	1	TPH 8015M (GRO + DRO + MRO)													
CS-215 (5.5')		7/10/2022		X		C	1	Chloride 300.0													
CS-216 (5.5')		7/10/2022		X		C	1	X	X	X											
CS-217 (5.5')		7/10/2022		X		C	1	X	X	X											
SW-12 (1 0')		7/10/2022		X		C	1	X	X	X											
SW-13 (1 5')		7/10/2022		X		C	1	X	X	X											
SW-18 (5 5')		7/10/2022		X		C	1	X	X	X											
SW-19 (2 5')		7/10/2022		X		C	1	X	X	X											
SW-20 (3 5')		7/10/2022		X		C	1	X	X	X											

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		7/11/22 5:415			

[illegible]

Work Order No: 10732

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-16732-1

SDG Number: Lea Co, NM

Login Number: 16732**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 125419

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 125419
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	7/19/2022