



SITE INFORMATION

**Work Plan
Saints Booster
Incident # NAPP2325638370
Eddy County, New Mexico
Unit B Sec 11 T24S R29E
32.238222°, -103.951583°**

**Crude Oil and Produced Water Release
Point of Release: Tank Fire Caused by Lightning Strike
Release Date: 09/13/23
Volume Released: 100 Barrels of Crude Oil and 2,000 Barrels of Produced Water
Volume Recovered: 0 Barrels of Crude Oil and 0 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 500
Midland, Texas 79701**



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November 29, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Work Plan
Saints Booster
NGL Water Solutions Permian, LLC
Incident # NAPP2325638370
Site Location: Unit B Sec 11 T24S R29E
(Lat 32.238222°, Long -103.951583°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of NGL Energy Partners (NGL), Carmona Resource, LLC has prepared this letter to document site assessment activities for the Saints Booster. The site is located at 32.238222°, -103.951583° within Unit B, S11, T24S, R29E in Eddy 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 September 13, 2023, caused by a tank battery fire due to a lightning strike. The incident resulted in the release of approximately one hundred (100) barrels of crude oil and two thousand (2,000) barrels of produced water. No fluids were recovered. The impacted area occurred on the pad, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.29 miles Northwest of the site in S3, T24S, R29E and was drilled in 2020. The well has a reported depth to groundwater of 120' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On November 21, 2023, Carmona Resources personnel was onsite to drill a groundwater determination bore to 55' bgs which is approximately 0.03 miles Northwest of the release point. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.235563°, -103.952480°. See Appendix D for the driller's log.

On May 30, 2023, Carmona Resources, LLC was granted a variance by the New Mexico EMNRD, given the depth of local groundwater being greater than 100' bgs. Please see Appendix C for details.

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).

310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992



- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

On November 11, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) trenches (T-1 through T-7) and eight (8) horizontal sample points (H-1 through H-8) were advanced to depths ranging from surface to 4' bgs inside the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

The sampling results are summarized in Table 1 and see Figure 3 for the sample locations.

5.0 Proposed Work Plan

Based on the analytical data and the detected TPH and chloride concentrations, NGL proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The areas of T-1, T-2, and T-3 will be excavated to a depth of 1.5' bgs and backfilled with clean material to grade.
- An estimated 1,200 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. An NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 400 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

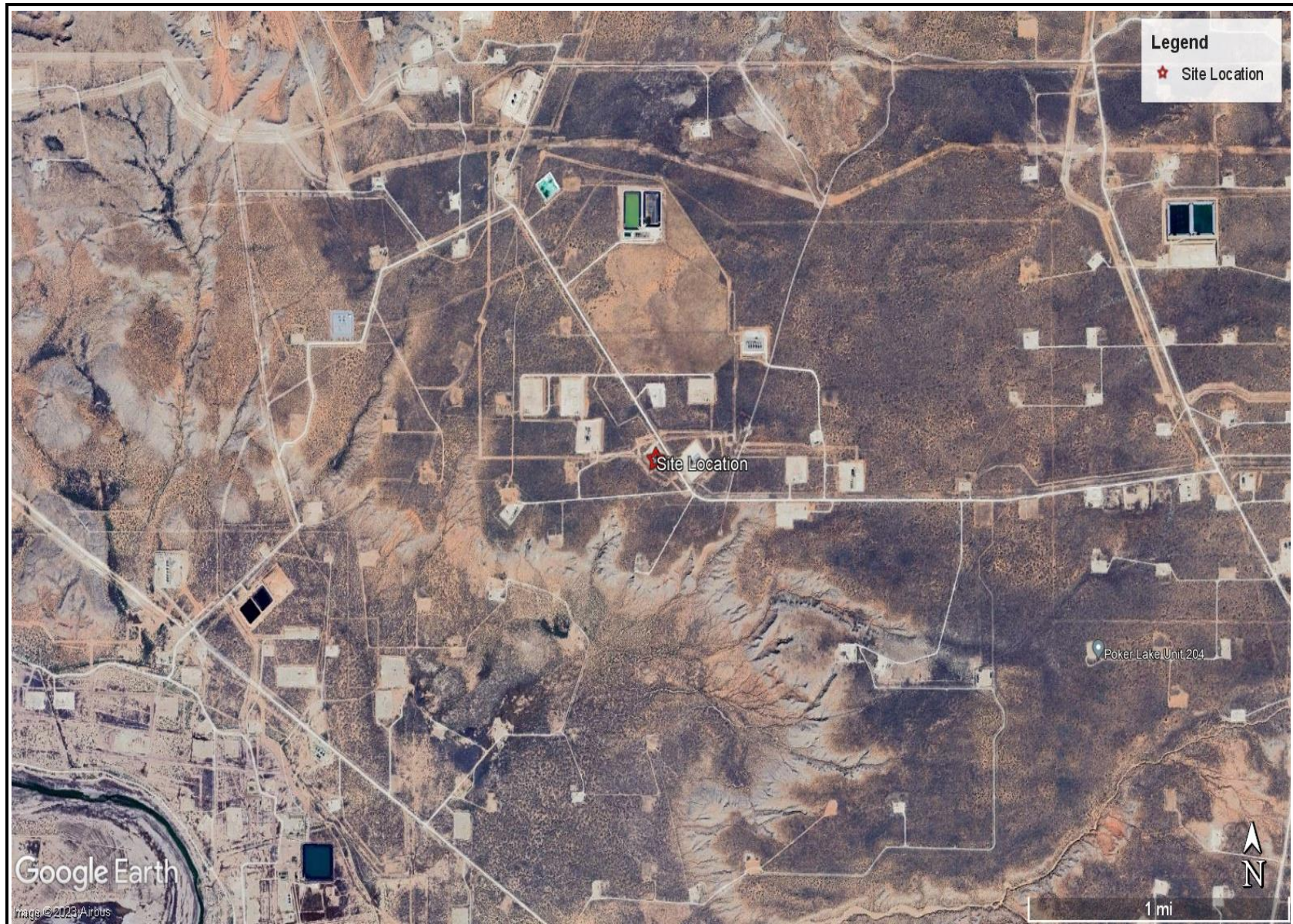
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





SITE OVERVIEW MAP
NGL WATER SOLUTIONS
SAINTS BOOSTER
EDDY COUNTY, NEW MEXICO
32.238222°, -103.951583°



FIGURE 1



TOPOGRAPHIC MAP
NGL WATER SOLUTIONS
SAINTS BOOSTER
EDDY COUNTY, NEW MEXICO
32.238222°, -103.951583°



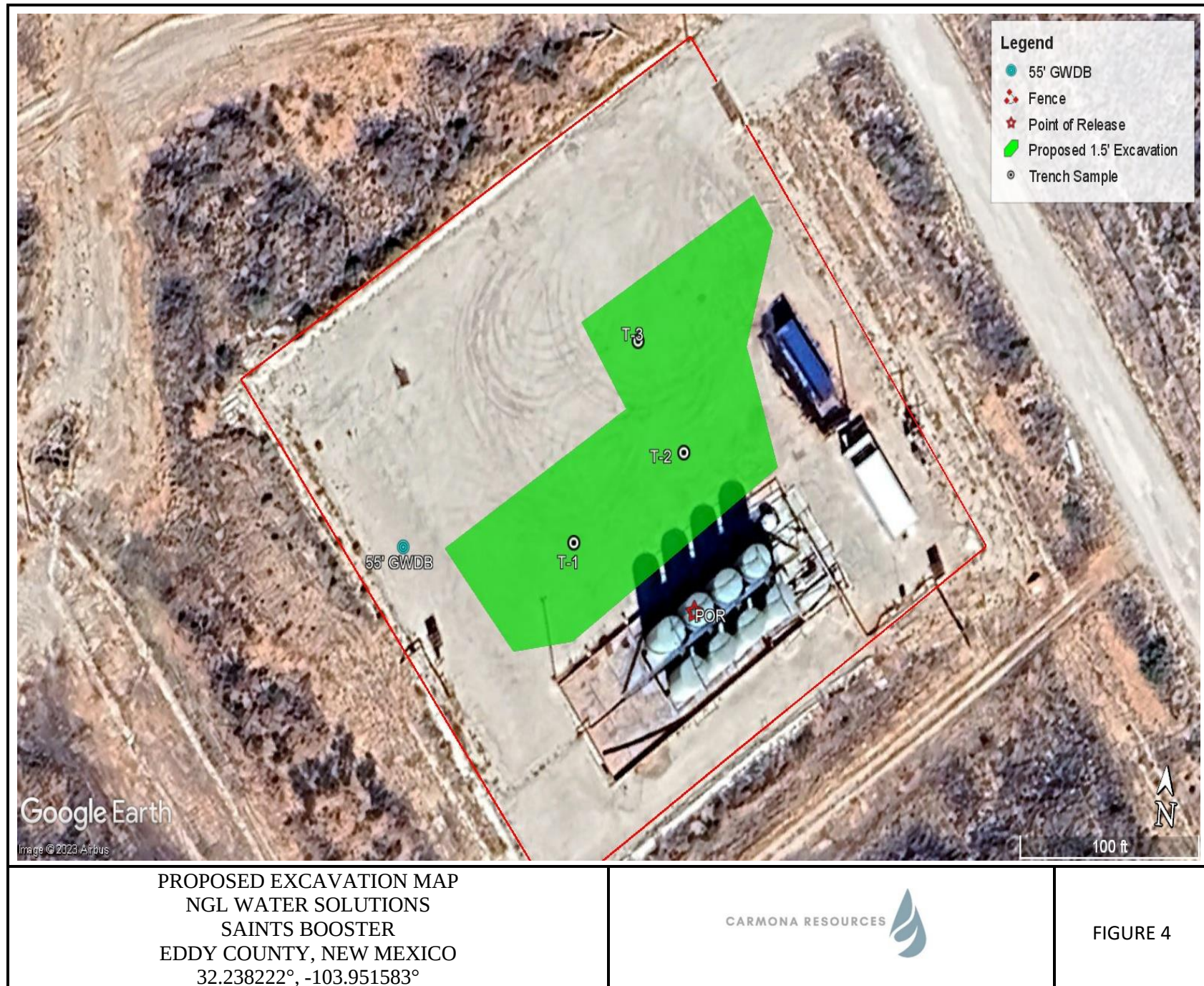
FIGURE 2



SAMPLE LOCATION MAP
NGL WATER SOLUTIONS
SAINTS BOOSTER
EDDY COUNTY, NEW MEXICO
32.238222°, -103.951583°



FIGURE 3



APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions
Saints Booster
Eddy 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						
T-1	10/11/2023	0-1	<49.6	801	<49.6	801	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11,500
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	366
	"	2	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	376
	"	3	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	99.9
T-2	10/11/2023	0-1	<50.3	2,480	<50.3	2,480	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,510
	"	1.5	<49.9	77.1	<49.9	77.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,590
	"	2	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,130
	"	3	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	148
T-3	10/11/2023	0-1	<50.3	616	<50.3	616	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15,300
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,710
	"	2	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,370
	"	3	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.8
T-4	10/11/2023	0-1	<49.8	127	<49.8	127	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,380
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	397
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	228
	"	3	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	196
T-5	10/11/2023	0-1	<50.5	143	<50.5	143	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	8,830
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,340
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,390
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,650
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	187
T-6	10/11/2023	0-1	<50.3	463	<50.3	463	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,000
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,740
	"	2	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,210
	"	3	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	172
T-7	10/11/2023	0-1	<50.2	304	<50.2	304	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,140
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	649
	"	2	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	279
	"	3	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(T) Trench Sample

Proposed Excavation

Table 1
NGL Water Solutions
Saints Booster
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	10/11/2023	0-0.5	<50.3	<50.3	<50.3	0-0.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	94.2
H-2	10/11/2023	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
H-3	10/11/2023	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.3
H-4	10/11/2023	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	109
H-5	10/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	85.9
H-6	10/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	98.9
H-7	10/11/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
H-8	10/11/2023	0-0.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	98.2
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Saints Booster

County: Eddy County, New Mexico

Description:

View Southwest, areas of T-1 & T-2.



Photograph No. 2

Facility: Saints Booster

County: Eddy County, New Mexico

Description:

View Northwest, area of T-3.



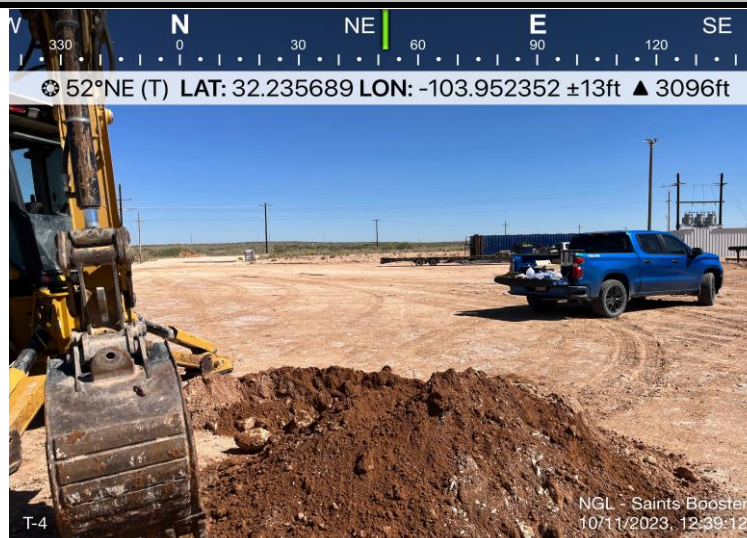
Photograph No. 3

Facility: Saints Booster

County: Eddy County, New Mexico

Description:

View Northwest, area of T-4.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Saints Booster

County: Eddy County, New Mexico

Description:

View Northeast, areas of T-5 through T-7



Photograph No. 5

Facility: Saints Booster

County: Eddy County, New Mexico

Description:

View Northwest, view of rig drilling the GWDB.



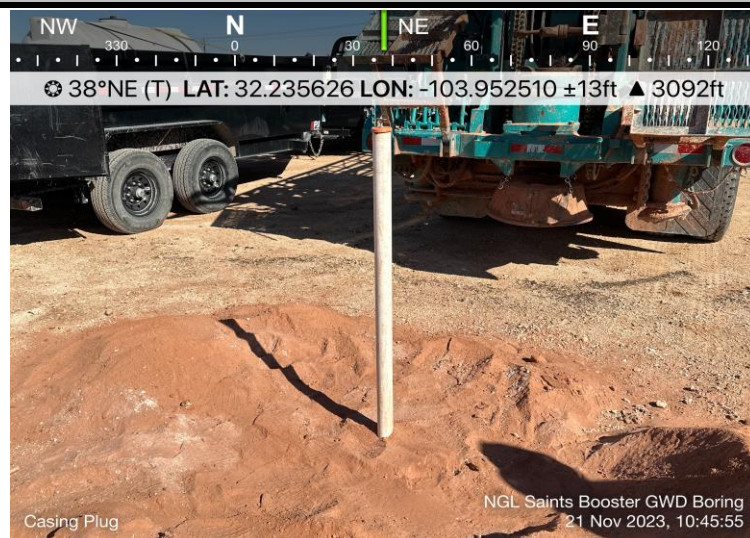
Photograph No. 6

Facility: Saints Booster

County: Eddy County, New Mexico

Description:

View Northeast, view of the GWDB casing.



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	nAPP2325638370
District RP	
Facility ID	
Application ID	

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)	nAPP2325638370
Contact mailing address	865 N. Albion St. Ste 400, Denver, CO 80220		

Location of Release Source

Latitude 32.238222 Longitude -103.951583
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Saints Booster	Site Type	Saltwater Disposal Booster Station
Date Release Discovered	9.13.2023	API# (if applicable)	NA

Unit Letter	Section	Township	Range	County
B	11	24S	29E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: NGL Water Solutions, LLC)

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) 100	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 2000	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

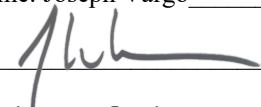
Lightning Strike from inclement weather caught the booster station with tanks on fire. 1000 bbls breached containment. Eddy County Volunteer Fire Department and Happy Valley Fire Dept responded immediately to the site, using water and foam to put out the fire.

Incident ID	nAPP2325638370
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? 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, initially NOR the day of release by Joseph Vargo	

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: 9.27.23_____
email: Joseph.Vargo@nglep.com_____	Telephone: 303-815-1010_____
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

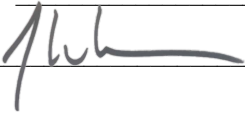
State of New Mexico
Oil Conservation Division

Page 4

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: Shelly Wells _____ Date: 12/1/2023 _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

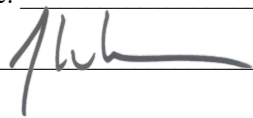
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Shelly Wells Date: 12/1/2023

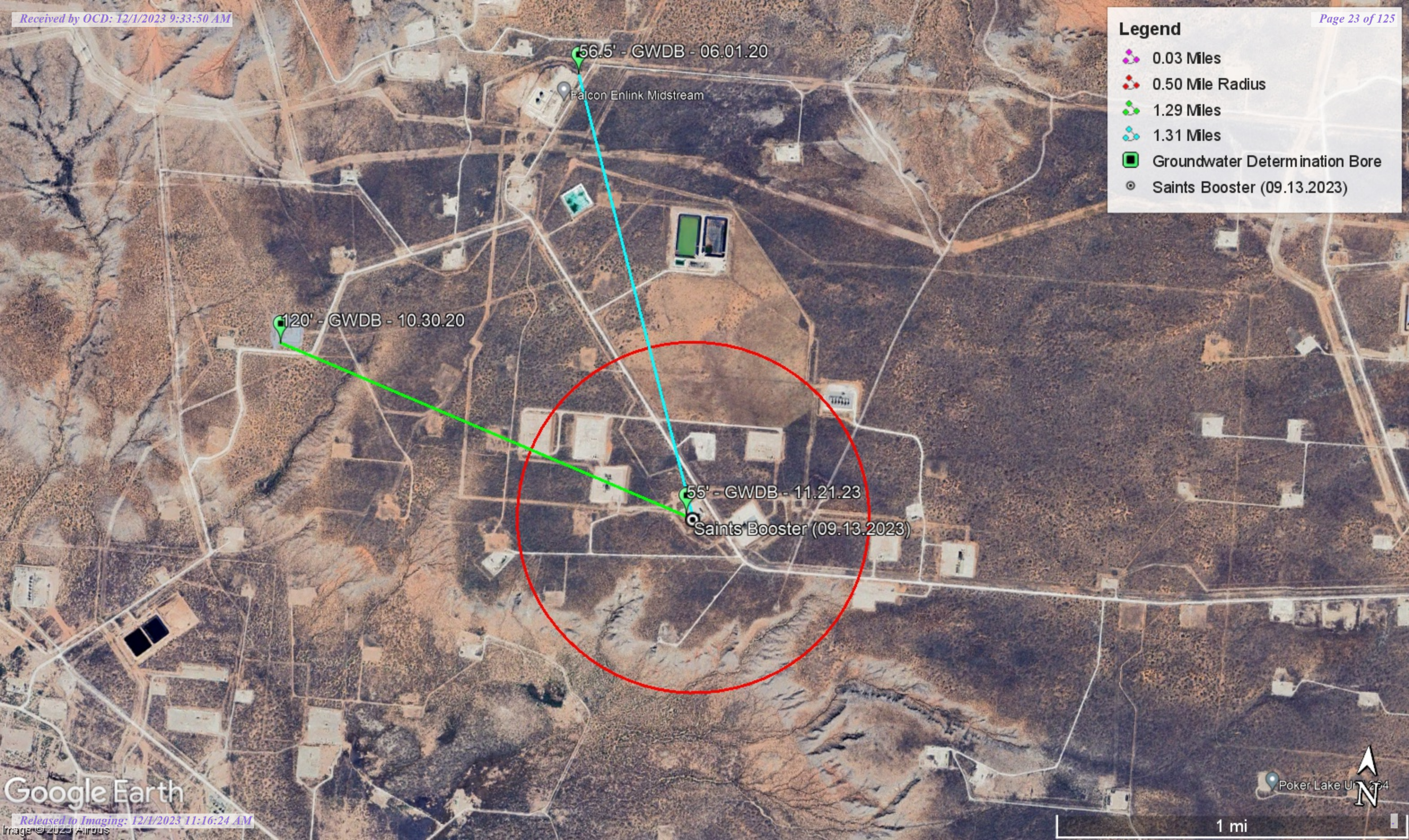
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

APPENDIX D

CARMONA RESOURCES





Legend

- 0.03 Miles
- 0.50 Mile Radius
- 1.29 Miles
- 1.31 Miles
- Groundwater Determination Bore
- Saints Booster (09.13.2023)

Medium Karst

NGL Water Solutions Permian, LLC

Legend

High

Low

Medium

Saints Booster (09.13.2023)

Saints Booster (09.13.2023)

Google Earth

N

2 mi



Project Name :	NGL Saints Booster	Date :	Tuesday, November 21, 2023
Project No. :	2151	Sampler :	Ivan Ramos
Location :	Eddy County, New Mexico	Driller :	H&R Enterprises, LLC
Coordinates :	32.235563, -103.952480	Method :	Air Rotary
Elevation :	3,088		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Light brown, poorly cemented small to medium subangular gravel with 75% fine, silty, soft loose sand. Dry, no odor, no organics (SW).		50		(50') - Light red, small to medium well cemented subangular gravel with 75% fine, very soft, very loose sand. Dry, no odor, no organics (SM).	
5		(5') - White, well cemented small subangular gravel with 50% silty, soft, loose sand. Dry, no odor, no organics (SP).		55		(55') - Light red, small to medium well cemented subrounded gravel with 75% fine, clayey, very soft, very loose sand. Dry, no odor, no organics (SM).	
10		(10') - Light red, small to medium well cemented subrounded gravel with 75% fine, very soft, loose sand. Dry, no odor, no organics (SM).		60			
15		(15') - Light red, small to medium well cemented subangular gravel with 75% fine, clayey, very soft, loose sand. Dry, no odor, no organics (SM).		65			
20		(20') - Light red, small to medium well cemented subangular gravel with 75% fine, clayey, very soft, loose sand. Dry, no odor, no organics (SM).		70			
25		(25') - Light red, small to medium well cemented subangular gravel with 75% fine, very soft, very loose sand. Dry, no odor, no organics (SM).		75			
30		(30') - Light red, small to medium well cemented subangular gravel with 75% fine, very soft, very loose sand. Dry, no odor, no organics (SM).		80			
35		(35') - Light red, small to medium well cemented subangular gravel with 75% fine, very soft, very loose sand. Dry, no odor, no organics (SM).		85			
40		(40') - Light red, small to medium well cemented subangular gravel with 75% fine, very soft, very loose sand. Dry, no odor, no organics (SM).		90			
45		(45') - Light red, small to medium well cemented subangular gravel with 75% fine, very soft, very loose sand. Dry, no odor, no organics (SM).		95			
50				105			

Comments : (11/21/23) Boring terminated at 56' at 12:00 Central Time with no presence of groundwater or moisture.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04481 POD8	CUB	ED	1	3	4	03	24S	29E	596852	3567655		1978	125		
C 04481 POD2	CUB	ED	1	3	4	03	24S	29E	596852	3567748		2010	120		
C 04481 POD7	CUB	ED	2	4	3	03	14S	29E	596800	3567655		2027	110		
C 04481 POD1	CUB	ED	1	3	4	03	24S	29E	596799	3567778		2070	135		
C 04481 POD3	CUB	ED	2	4	3	03	24S	29E	596799	3567778		2070	120		
C 04481 POD6	CUB	ED	2	4	3	03	24S	29E	596748	3567654		2077	120		
C 04481 POD4	CUB	ED	2	4	3	03	24S	29E	596747	3567685		2087	150		
C 04481 POD5	CUB	ED	2	4	3	03	24S	29E	596747	3567747		2108	120		
C 04526 POD1	CUB	ED	4	1	4	06	24S	30E	601899	3568060		3334			

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 598727.98

Northing (Y): 3567026.61

Radius: 4000

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

9/27/23 9:45 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

12/01/2023 11:16:24 AM

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-6		WELL TAG ID NO.		OSE FILE NO(S). C4481		
	WELL OWNER NAME(S) XCEL Energy				PHONE (OPTIONAL) 866-457-6291		
	WELL OWNER MAILING ADDRESS 2801 I-40 East				CITY Alamogordo	STATE TX	
					ZIP 78118		
WELL LOCATION (FROM GPS)	LATITUDE		DEGREES 32	MINUTES 14	SECONDS 29	N	
	LONGITUDE		103	58	23	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND							
* DATUM REQUIRED: WGS 84							
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Malaga Band Substation 363-2 Gavilan Rd Malaga NM 88263							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1755		NAME OF LICENSED DRILLER John D. Norris			NAME OF WELL DRILLING COMPANY Hungry Horse, LLC	
	DRILLING STARTED 30 Sept 20	DRILLING ENDED 30 Sept 20	DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT) 120'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:						
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
	1'	20'	6"	Bentonite chips	29.7 cf	TOP	
	20'	120'	6"	Metallurgical coke breeze	20. cf	TOP	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4481	POD NO. 6	TRN NO. 678916
LOCATION 432 T24S R29E Sec 3	WELL TAG ID NO. N/A	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0'	20'	Rock	Y	N/A
20'	80'	Sand	Y	N/A
80'	100'	Clay	Y	N/A
100'	120'	Sand	Y	N/A
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
			Y	N
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:			TOTAL ESTIMATED WELL YIELD (gpm):	0.00
☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER – SPECIFY: Not Tested				
WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION: Bore hole was for a grounding well				
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Dean Parent				
BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. John Morris SocTzo SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE				

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-4481	POD NO.	6
LOCATION	432 T24S R29E S.	TRN NO.	678916
		WELL TAG ID NO.	NA
			PAGE 2 OF 2

SB-1

Page 1 of 1

Location: Falcon

Purpose: Boring to determine
groundwater presence

Project: rcfalco.drl.20

Depth in Feet	Lithology	USCS	Description	Abandonment
0				
5		SP	Sand, Medium/Fine grained, poorly graded with Calchie, Light Brown (7.5 YR 6/4) -Dry	
10				
15				
20		SP	Sand, Fine grained, poorly graded, Light Brown (7.5 YR 6/4) -Dry	
25				
30				
35		SP	Sand, Medium/Fine grained, poorly graded, with Calchie, Brown (7.5 YR 56/) -Dry	
40				
45		SP	Sand, Fine grained, poorly graded, Brown (7.5 YR 4/4) -Dry	
50				
55		SP	Sand, Fine grained, poorly graded & Stiff Clay, Reddish Brown (5.0 YR 5/6) -Dry	

-  Bentonite Seal
-  Neat Cement/Bentonite
-  Native Fill

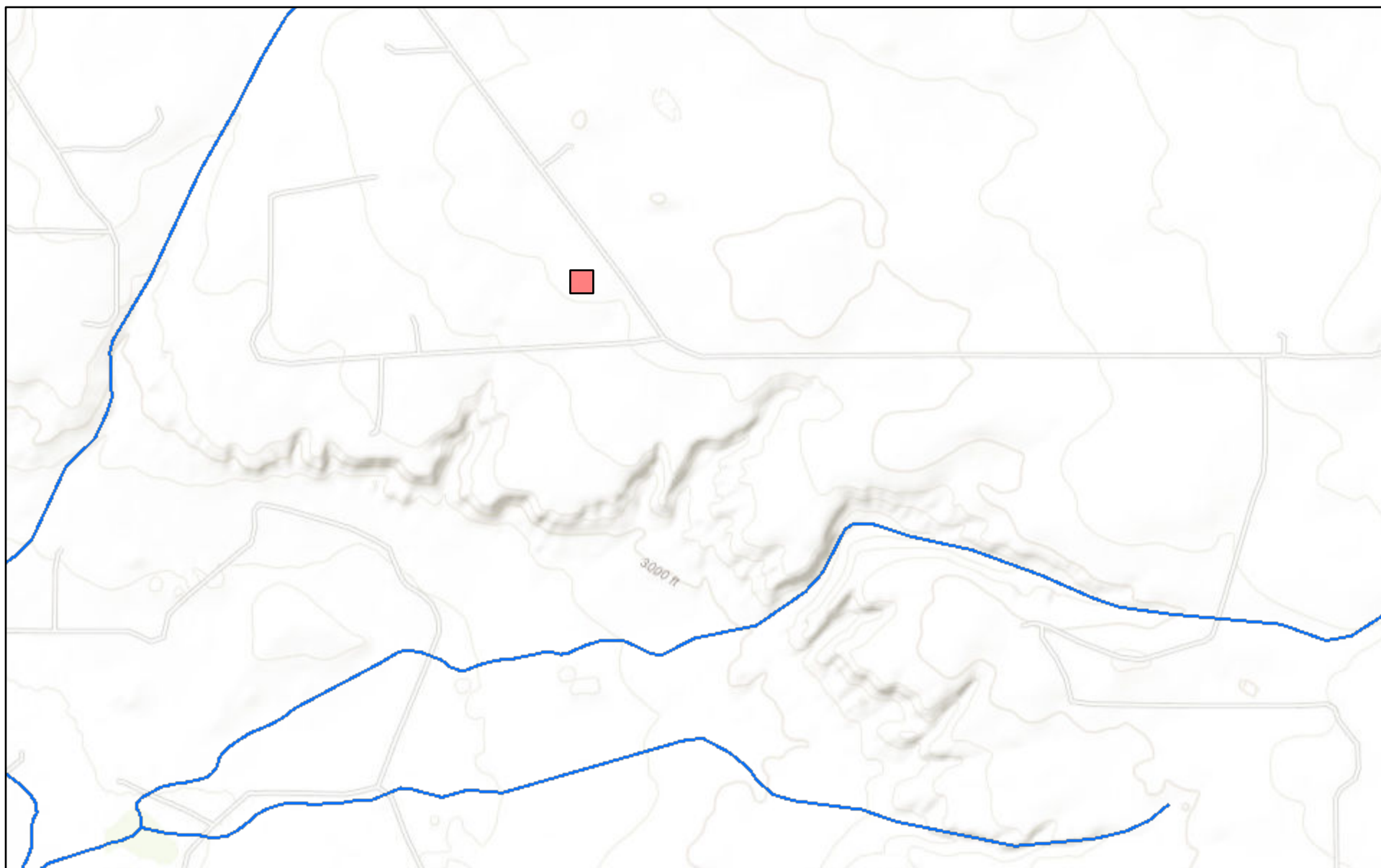
Lithology Legend

 Sand

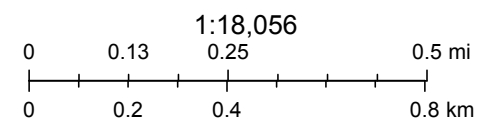
NOTES:

Atkins
ENGINEERING ASSOCIATES

New Mexico NFHL Data



September 27, 2023



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

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





Environment Testing

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- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/19/2023 9:19:27 AM

JOB DESCRIPTION

Saints Booster
SDG NUMBER Eddy County New Mexico

JOB NUMBER

880-34436-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
10/19/2023 9:19:27 AM

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

Client: Carmona Resources
Project/Site: Saints Booster

Laboratory Job ID: 880-34436-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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
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.

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: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Job ID: 880-34436-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-34436-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/13/2023 4:03 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 -4.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1.0') (880-34436-1), T-1 (2.0') (880-34436-3), T-1 (3.0') (880-34436-4), T-2 (0-1.0') (880-34436-5), T-2 (1.5') (880-34436-6), T-2 (2.0') (880-34436-7), T-2 (3.0') (880-34436-8), T-3 (0-1.0') (880-34436-9), T-3 (1.5') (880-34436-10), T-3 (2.0') (880-34436-11), T-4 (1.5') (880-34436-14), T-4 (2.0') (880-34436-15), T-4 (3.0') (880-34436-16), T-5 (0-1.0') (880-34436-17), T-5 (1.5') (880-34436-18), T-5 (2.0') (880-34436-19), T-5 (3.0') (880-34436-20), T-6 (0-1.0') (880-34436-22) and T-6 (1.5') (880-34436-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-34436-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-64786/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-34436-A-21-D MS) and (880-34436-A-21-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-6 (2.0') (880-34436-24) and T-7 (2.0') (880-34436-28). 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 880-64786 and analytical batch 880-64760 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 880-64782 and analytical batch 880-64755 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1.0') (880-34436-1), T-1 (1.5') (880-34436-2), T-1 (2.0') (880-34436-3), T-1 (3.0') (880-34436-4), T-2 (0-1.0') (880-34436-5), T-2 (2.0') (880-34436-7), T-2 (3.0') (880-34436-8), T-3 (0-1.0') (880-34436-9), T-3 (1.5') (880-34436-10) and (880-34436-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Job ID: 880-34436-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-3 (2.0') (880-34436-11), T-3 (3.0') (880-34436-12), T-4 (1.5') (880-34436-14), T-4 (2.0') (880-34436-15), T-4 (3.0') (880-34436-16), T-5 (0-1.0') (880-34436-17), T-5 (1.5') (880-34436-18) and T-5 (3.0') (880-34436-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-64755/20), (CCV 880-64755/31) and (CCV 880-64755/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-64782 and analytical batch 880-64755 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-64784 and analytical batch 880-64757 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-5 (4.0') (880-34436-21), T-6 (0-1.0') (880-34436-22) and (880-34436-A-21-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-64821 and analytical batch 880-64976 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: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (0-1.0')

Lab Sample ID: 880-34436-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 13:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 13:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 13:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 13:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 13:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	10/16/23 09:46	10/16/23 13:03	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/16/23 09:46	10/16/23 13:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	801		49.6		mg/Kg			10/16/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/16/23 09:38	10/16/23 11:42	1
Diesel Range Organics (Over C10-C28)	801	F1	49.6		mg/Kg		10/16/23 09:38	10/16/23 11:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/16/23 09:38	10/16/23 11:42	1
Total TPH	801	F1	49.6		mg/Kg		10/16/23 09:38	10/16/23 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	10/16/23 09:38	10/16/23 11:42	1
o-Terphenyl	118		70 - 130	10/16/23 09:38	10/16/23 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11500		99.8		mg/Kg			10/17/23 19:58	20

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-34436-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 13:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 13:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 13:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/16/23 09:46	10/16/23 13:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 13:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/16/23 09:46	10/16/23 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	10/16/23 09:46	10/16/23 13:29	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/16/23 09:46	10/16/23 13:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-34436-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP 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			10/16/23 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/16/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 12:48	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 12:48	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 12:48	1
Total TPH	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	10/16/23 09:38	10/16/23 12:48	1
o-Terphenyl	127		70 - 130	10/16/23 09:38	10/16/23 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		4.96		mg/Kg			10/17/23 20:18	1

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-34436-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 13:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 13:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 13:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 09:46	10/16/23 13:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 13:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 09:46	10/16/23 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	10/16/23 09:46	10/16/23 13:55	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/16/23 09:46	10/16/23 13:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/16/23 13:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 13:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-34436-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 13:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 13:10	1
Total TPH	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				10/16/23 09:38	10/16/23 13:10	1
o-Terphenyl	112		70 - 130				10/16/23 09:38	10/16/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	376		5.04		mg/Kg			10/17/23 20:25	1

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-34436-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 14:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 14:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 14:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 14:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 14:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				10/16/23 09:46	10/16/23 14:21	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/16/23 09:46	10/16/23 14:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/23 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/16/23 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/16/23 09:38	10/16/23 13:32	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/16/23 09:38	10/16/23 13:32	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/16/23 09:38	10/16/23 13:32	1
Total TPH	<50.2	U	50.2		mg/Kg		10/16/23 09:38	10/16/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				10/16/23 09:38	10/16/23 13:32	1
o-Terphenyl	124		70 - 130				10/16/23 09:38	10/16/23 13:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-34436-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		4.97		mg/Kg			10/18/23 18:24	1

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-34436-5

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 14:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	10/16/23 09:46	10/16/23 14:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/16/23 09:46	10/16/23 14:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2480		50.3		mg/Kg			10/16/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 13:53	1
Diesel Range Organics (Over C10-C28)	2480		50.3		mg/Kg		10/16/23 09:38	10/16/23 13:53	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 13:53	1
Total TPH	2480		50.3		mg/Kg		10/16/23 09:38	10/16/23 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	10/16/23 09:38	10/16/23 13:53	1
o-Terphenyl	112		70 - 130	10/16/23 09:38	10/16/23 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8510		50.0		mg/Kg			10/18/23 18:44	10

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-34436-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 15:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 15:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-34436-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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		10/16/23 09:46	10/16/23 15:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 15:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 15:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				10/16/23 09:46	10/16/23 15:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/16/23 09:46	10/16/23 15:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	77.1		49.9		mg/Kg			10/16/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 09:38	10/16/23 14:15	1
Diesel Range Organics (Over C10-C28)	77.1		49.9		mg/Kg		10/16/23 09:38	10/16/23 14:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 09:38	10/16/23 14:15	1
Total TPH	77.1		49.9		mg/Kg		10/16/23 09:38	10/16/23 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				10/16/23 09:38	10/16/23 14:15	1
o-Terphenyl	106		70 - 130				10/16/23 09:38	10/16/23 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2590		25.0		mg/Kg			10/18/23 18:50	5

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-34436-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 15:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 15:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 15:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 09:46	10/16/23 15:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 15:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 09:46	10/16/23 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				10/16/23 09:46	10/16/23 15:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/16/23 09:46	10/16/23 15:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-34436-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/23 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/16/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 14:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 14:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 14:37	1
Total TPH	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	10/16/23 09:38	10/16/23 14:37	1
o-Terphenyl	121		70 - 130	10/16/23 09:38	10/16/23 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2130		25.1		mg/Kg			10/18/23 18:57	5

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-34436-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 16:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 16:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 16:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 16:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 16:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	10/16/23 09:46	10/16/23 16:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/16/23 09:46	10/16/23 16:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/23 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/16/23 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 15:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-34436-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 15:00	1
Total TPH	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				10/16/23 09:38	10/16/23 15:00	1
o-Terphenyl	122		70 - 130				10/16/23 09:38	10/16/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.97		mg/Kg			10/18/23 19:03	1

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-34436-9

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 16:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 16:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 16:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 09:46	10/16/23 16:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 16:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 09:46	10/16/23 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				10/16/23 09:46	10/16/23 16:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/16/23 09:46	10/16/23 16:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/16/23 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	616		50.3		mg/Kg			10/16/23 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 15:22	1
Diesel Range Organics (Over C10-C28)	616		50.3		mg/Kg		10/16/23 09:38	10/16/23 15:22	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 15:22	1
Total TPH	616		50.3		mg/Kg		10/16/23 09:38	10/16/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				10/16/23 09:38	10/16/23 15:22	1
o-Terphenyl	116		70 - 130				10/16/23 09:38	10/16/23 15:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-34436-9

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15300		99.2		mg/Kg			10/18/23 19:23	20

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-34436-10

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 16:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 16:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 16:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 16:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 16:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	10/16/23 09:46	10/16/23 16:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	10/16/23 09:46	10/16/23 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 15:44	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 15:44	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 15:44	1
Total TPH	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	10/16/23 09:38	10/16/23 15:44	1
o-Terphenyl	117		70 - 130	10/16/23 09:38	10/16/23 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4710		49.7		mg/Kg			10/18/23 19:30	10

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-34436-11

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 18:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 18:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-34436-11

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 18:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/16/23 09:46	10/16/23 18:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 18:41	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/16/23 09:46	10/16/23 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				10/16/23 09:46	10/16/23 18:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/16/23 09:46	10/16/23 18:41	1

Method: TAL SOP 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			10/16/23 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/16/23 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/16/23 09:38	10/16/23 16:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/16/23 09:38	10/16/23 16:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/16/23 09:38	10/16/23 16:28	1
Total TPH	<50.1	U	50.1		mg/Kg		10/16/23 09:38	10/16/23 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				10/16/23 09:38	10/16/23 16:28	1
o-Terphenyl	116		70 - 130				10/16/23 09:38	10/16/23 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		25.0		mg/Kg			10/18/23 19:37	5

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-34436-12

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 19:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 19:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 19:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 19:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 19:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				10/16/23 09:46	10/16/23 19:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/16/23 09:46	10/16/23 19:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-34436-12

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/16/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/16/23 09:38	10/16/23 16:50	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/16/23 09:38	10/16/23 16:50	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/16/23 09:38	10/16/23 16:50	1
Total TPH	<50.4	U	50.4		mg/Kg		10/16/23 09:38	10/16/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130	10/16/23 09:38	10/16/23 16:50	1
o-Terphenyl	123		70 - 130	10/16/23 09:38	10/16/23 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.8		5.00		mg/Kg			10/18/23 19:43	1

Client Sample ID: T-4 (0-1.0')

Lab Sample ID: 880-34436-13

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 19:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 19:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 19:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 09:46	10/16/23 19:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 19:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 09:46	10/16/23 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	10/16/23 09:46	10/16/23 19:33	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/16/23 09:46	10/16/23 19:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/23 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	127		49.8		mg/Kg			10/16/23 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/16/23 09:38	10/16/23 17:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (0-1.0')

Lab Sample ID: 880-34436-13

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	127		49.8		mg/Kg		10/16/23 09:38	10/16/23 17:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/16/23 09:38	10/16/23 17:12	1
Total TPH	127		49.8		mg/Kg		10/16/23 09:38	10/16/23 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/16/23 09:38	10/16/23 17:12	1
o-Terphenyl	111		70 - 130				10/16/23 09:38	10/16/23 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8380		49.7		mg/Kg			10/18/23 19:50	10

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-34436-14

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 19:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 19:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 19:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 19:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 19:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130				10/16/23 09:46	10/16/23 19:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/16/23 09:46	10/16/23 19:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/23 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/16/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 17:33	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 17:33	1
Total TPH	<49.7	U	49.7		mg/Kg		10/16/23 09:38	10/16/23 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/16/23 09:38	10/16/23 17:33	1
o-Terphenyl	116		70 - 130				10/16/23 09:38	10/16/23 17:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-34436-14

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	397	F1	5.02		mg/Kg			10/18/23 19:57	1

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-34436-15

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 20:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 20:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 20:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 09:46	10/16/23 20:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 20:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 09:46	10/16/23 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	10/16/23 09:46	10/16/23 20:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/16/23 09:46	10/16/23 20:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/16/23 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/16/23 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/16/23 09:38	10/16/23 17:55	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/16/23 09:38	10/16/23 17:55	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/16/23 09:38	10/16/23 17:55	1
Total TPH	<49.6	U	49.6		mg/Kg		10/16/23 09:38	10/16/23 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	10/16/23 09:38	10/16/23 17:55	1
o-Terphenyl	117		70 - 130	10/16/23 09:38	10/16/23 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		5.03		mg/Kg			10/18/23 20:17	1

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-34436-16

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 20:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 20:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-34436-16

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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		10/16/23 09:46	10/16/23 20:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 20:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 20:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				10/16/23 09:46	10/16/23 20:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/16/23 09:46	10/16/23 20:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/16/23 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 18:17	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 18:17	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 18:17	1
Total TPH	<50.3	U	50.3		mg/Kg		10/16/23 09:38	10/16/23 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				10/16/23 09:38	10/16/23 18:17	1
o-Terphenyl	113		70 - 130				10/16/23 09:38	10/16/23 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		4.98		mg/Kg			10/18/23 20:23	1

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-34436-17

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 21:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 21:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 21:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/16/23 09:46	10/16/23 21:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 09:46	10/16/23 21:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/23 09:46	10/16/23 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				10/16/23 09:46	10/16/23 21:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130				10/16/23 09:46	10/16/23 21:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-34436-17

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP 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			10/16/23 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	143		50.5		mg/Kg			10/16/23 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 18:40	1
Diesel Range Organics (Over C10-C28)	143		50.5		mg/Kg		10/16/23 09:38	10/16/23 18:40	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 18:40	1
Total TPH	143		50.5		mg/Kg		10/16/23 09:38	10/16/23 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130				10/16/23 09:38	10/16/23 18:40	1
o-Terphenyl	137	S1+	70 - 130				10/16/23 09:38	10/16/23 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8830		50.2		mg/Kg			10/18/23 20:43	10

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-34436-18

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 21:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 21:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 21:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 21:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:46	10/16/23 21:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:46	10/16/23 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				10/16/23 09:46	10/16/23 21:43	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/16/23 09:46	10/16/23 21:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 21:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 19:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-34436-18

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 19:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 19:01	1
Total TPH	<50.5	U	50.5		mg/Kg		10/16/23 09:38	10/16/23 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				10/16/23 09:38	10/16/23 19:01	1
o-Terphenyl	118		70 - 130				10/16/23 09:38	10/16/23 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3340		25.1		mg/Kg			10/18/23 20:50	5

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-34436-19

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 22:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 22:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 09:46	10/16/23 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 22:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 09:46	10/16/23 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130				10/16/23 09:46	10/16/23 22:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/16/23 09:46	10/16/23 22:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/23 22:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/16/23 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 09:38	10/16/23 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 09:38	10/16/23 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 09:38	10/16/23 19:23	1
Total TPH	<50.0	U	50.0		mg/Kg		10/16/23 09:38	10/16/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				10/16/23 09:38	10/16/23 19:23	1
o-Terphenyl	109		70 - 130				10/16/23 09:38	10/16/23 19:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-34436-19

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3390		25.1		mg/Kg			10/18/23 20:57	5

Client Sample ID: T-5 (3.0')

Lab Sample ID: 880-34436-20

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 22:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 22:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 22:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 22:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:46	10/16/23 22:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 09:46	10/16/23 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	10/16/23 09:46	10/16/23 22:35	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/16/23 09:46	10/16/23 22:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/23 22:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/23 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 09:38	10/16/23 19:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 09:38	10/16/23 19:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 09:38	10/16/23 19:45	1
Total TPH	<49.9	U	49.9		mg/Kg		10/16/23 09:38	10/16/23 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	10/16/23 09:38	10/16/23 19:45	1
o-Terphenyl	114		70 - 130	10/16/23 09:38	10/16/23 19:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4650		49.8		mg/Kg			10/18/23 21:03	10

Client Sample ID: T-5 (4.0')

Lab Sample ID: 880-34436-21

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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		10/16/23 09:57	10/17/23 02:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (4.0')

Lab Sample ID: 880-34436-21

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:26	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		10/16/23 09:57	10/17/23 02:26	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:26	1
Xylenes, Total	<0.00401	U F1 F2	0.00401		mg/Kg		10/16/23 09:57	10/17/23 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				10/16/23 09:57	10/17/23 02:26	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/16/23 09:57	10/17/23 02:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/17/23 02:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/23 11:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 11:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 11:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 11:42	1
Total TPH	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				10/16/23 09:46	10/16/23 11:42	1
o-Terphenyl	137	S1+	70 - 130				10/16/23 09:46	10/16/23 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		5.01		mg/Kg			10/18/23 21:10	1

Client Sample ID: T-6 (0-1.0')

Lab Sample ID: 880-34436-22

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 09:57	10/17/23 02:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 09:57	10/17/23 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130				10/16/23 09:57	10/17/23 02:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/16/23 09:57	10/17/23 02:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (0-1.0')

Lab Sample ID: 880-34436-22

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	463		50.3		mg/Kg			10/16/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 12:48	1
Diesel Range Organics (Over C10-C28)	463		50.3		mg/Kg		10/16/23 09:46	10/16/23 12:48	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 12:48	1
Total TPH	463		50.3		mg/Kg		10/16/23 09:46	10/16/23 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				10/16/23 09:46	10/16/23 12:48	1
o-Terphenyl	130		70 - 130				10/16/23 09:46	10/16/23 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8000		50.0		mg/Kg			10/18/23 21:17	10

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-34436-23

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 03:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				10/16/23 09:57	10/17/23 03:18	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/16/23 09:57	10/17/23 03:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 03:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-34436-23

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:10	1
Total TPH	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/16/23 09:46	10/16/23 13:10	1
o-Terphenyl	119		70 - 130				10/16/23 09:46	10/16/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3740		24.8		mg/Kg			10/18/23 21:24	5

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-34436-24

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 03:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 03:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 03:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				10/16/23 09:57	10/17/23 03:44	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/16/23 09:57	10/17/23 03:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:32	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:32	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:32	1
Total TPH	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				10/16/23 09:46	10/16/23 13:32	1
o-Terphenyl	127		70 - 130				10/16/23 09:46	10/16/23 13:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-34436-24

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3210		24.9		mg/Kg			10/18/23 18:07	5

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-34436-25

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 04:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 04:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 04:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 09:57	10/17/23 04:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 04:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 09:57	10/17/23 04:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	10/16/23 09:57	10/17/23 04:10	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/16/23 09:57	10/17/23 04:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/16/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 13:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 13:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 13:53	1
Total TPH	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/16/23 09:46	10/16/23 13:53	1
o-Terphenyl	114		70 - 130	10/16/23 09:46	10/16/23 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.96		mg/Kg			10/18/23 18:24	1

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-34436-26

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 04:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 04:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-34436-26

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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		10/16/23 09:57	10/17/23 04:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 09:57	10/17/23 04:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 04:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 09:57	10/17/23 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/16/23 09:57	10/17/23 04:36	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/16/23 09:57	10/17/23 04:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/23 04:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	304		50.2		mg/Kg			10/16/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/16/23 09:46	10/16/23 14:15	1
Diesel Range Organics (Over C10-C28)	304		50.2		mg/Kg		10/16/23 09:46	10/16/23 14:15	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/16/23 09:46	10/16/23 14:15	1
Total TPH	304		50.2		mg/Kg		10/16/23 09:46	10/16/23 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/16/23 09:46	10/16/23 14:15	1
o-Terphenyl	108		70 - 130				10/16/23 09:46	10/16/23 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7140		50.2		mg/Kg			10/18/23 18:29	10

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-34436-27

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 05:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 05:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 05:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 09:57	10/17/23 05:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 09:57	10/17/23 05:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 09:57	10/17/23 05:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				10/16/23 09:57	10/17/23 05:02	1
1,4-Difluorobenzene (Surr)	85		70 - 130				10/16/23 09:57	10/17/23 05:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-34436-27

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/23 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 14:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 14:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 14:37	1
Total TPH	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	10/16/23 09:46	10/16/23 14:37	1
o-Terphenyl	117		70 - 130	10/16/23 09:46	10/16/23 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	649		4.96		mg/Kg			10/18/23 18:35	1

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-34436-28

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 05:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	10/16/23 09:57	10/17/23 05:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/16/23 09:57	10/17/23 05:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 05:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/16/23 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (2.0')

Lab Sample ID: 880-34436-28

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:00	1
Total TPH	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/16/23 09:46	10/16/23 15:00	1
o-Terphenyl	112		70 - 130				10/16/23 09:46	10/16/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		5.06		mg/Kg			10/18/23 18:40	1

Client Sample ID: T-7 (3.0')

Lab Sample ID: 880-34436-29

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 05:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 09:57	10/17/23 05:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 09:57	10/17/23 05:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				10/16/23 09:57	10/17/23 05:54	1
1,4-Difluorobenzene (Surr)	74		70 - 130				10/16/23 09:57	10/17/23 05:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/16/23 15:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:22	1
Total TPH	<49.6	U	49.6		mg/Kg		10/16/23 09:46	10/16/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/16/23 09:46	10/16/23 15:22	1
o-Terphenyl	109		70 - 130				10/16/23 09:46	10/16/23 15:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (3.0')
Date Collected: 10/11/23 00:00
Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-29
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.07		mg/Kg			10/18/23 18:57	1

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

Surrogate Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-34436-1	T-1 (0-1.0')	136 S1+	86
880-34436-1 MS	T-1 (0-1.0')	126	98
880-34436-1 MSD	T-1 (0-1.0')	141 S1+	98
880-34436-2	T-1 (1.5')	124	107
880-34436-3	T-1 (2.0')	141 S1+	107
880-34436-4	T-1 (3.0')	144 S1+	92
880-34436-5	T-2 (0-1.0')	147 S1+	109
880-34436-6	T-2 (1.5')	147 S1+	89
880-34436-7	T-2 (2.0')	146 S1+	100
880-34436-8	T-2 (3.0')	158 S1+	107
880-34436-9	T-3 (0-1.0')	140 S1+	97
880-34436-10	T-3 (1.5')	139 S1+	89
880-34436-11	T-3 (2.0')	145 S1+	96
880-34436-12	T-3 (3.0')	125	95
880-34436-13	T-4 (0-1.0')	123	86
880-34436-14	T-4 (1.5')	156 S1+	95
880-34436-15	T-4 (2.0')	150 S1+	102
880-34436-16	T-4 (3.0')	145 S1+	101
880-34436-17	T-5 (0-1.0')	155 S1+	102
880-34436-18	T-5 (1.5')	146 S1+	94
880-34436-19	T-5 (2.0')	167 S1+	98
880-34436-20	T-5 (3.0')	153 S1+	90
880-34436-21	T-5 (4.0')	124	96
880-34436-21 MS	T-5 (4.0')	109	67 S1-
880-34436-21 MSD	T-5 (4.0')	137 S1+	97
880-34436-22	T-6 (0-1.0')	157 S1+	99
880-34436-23	T-6 (1.5')	146 S1+	96
880-34436-24	T-6 (2.0')	133 S1+	95
880-34436-25	T-6 (3.0')	128	102
880-34436-26	T-7 (0-1.0')	102	87
880-34436-27	T-7 (1.5')	119	85
880-34436-28	T-7 (2.0')	132 S1+	95
880-34436-29	T-7 (3.0')	109	74
LCS 880-64783/1-A	Lab Control Sample	125	83
LCS 880-64786/1-A	Lab Control Sample	140 S1+	95
LCSD 880-64783/2-A	Lab Control Sample Dup	120	83
LCSD 880-64786/2-A	Lab Control Sample Dup	114	82
MB 880-64783/5-A	Method Blank	81	95
MB 880-64786/5-A	Method Blank	76	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-34436-1

Project/Site: Saints Booster

SDG: Eddy County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-34436-1	T-1 (0-1.0')	142 S1+	118
880-34436-1 MS	T-1 (0-1.0')	126	94
880-34436-1 MSD	T-1 (0-1.0')	142 S1+	105
880-34436-2	T-1 (1.5')	149 S1+	127
880-34436-3	T-1 (2.0')	132 S1+	112
880-34436-4	T-1 (3.0')	145 S1+	124
880-34436-5	T-2 (0-1.0')	142 S1+	112
880-34436-6	T-2 (1.5')	122	106
880-34436-7	T-2 (2.0')	141 S1+	121
880-34436-8	T-2 (3.0')	140 S1+	122
880-34436-9	T-3 (0-1.0')	144 S1+	116
880-34436-10	T-3 (1.5')	135 S1+	117
880-34436-11	T-3 (2.0')	133 S1+	116
880-34436-12	T-3 (3.0')	145 S1+	123
880-34436-13	T-4 (0-1.0')	128	111
880-34436-14	T-4 (1.5')	135 S1+	116
880-34436-15	T-4 (2.0')	137 S1+	117
880-34436-16	T-4 (3.0')	131 S1+	113
880-34436-17	T-5 (0-1.0')	161 S1+	137 S1+
880-34436-18	T-5 (1.5')	135 S1+	118
880-34436-19	T-5 (2.0')	125	109
880-34436-20	T-5 (3.0')	131 S1+	114
880-34436-21	T-5 (4.0')	136 S1+	137 S1+
880-34436-21 MS	T-5 (4.0')	128	115
880-34436-21 MSD	T-5 (4.0')	136 S1+	121
880-34436-22	T-6 (0-1.0')	132 S1+	130
880-34436-23	T-6 (1.5')	121	119
880-34436-24	T-6 (2.0')	124	127
880-34436-25	T-6 (3.0')	114	114
880-34436-26	T-7 (0-1.0')	110	108
880-34436-27	T-7 (1.5')	121	117
880-34436-28	T-7 (2.0')	113	112
880-34436-29	T-7 (3.0')	111	109
LCS 880-64782/2-A	Lab Control Sample	119	123
LCS 880-64784/2-A	Lab Control Sample	104	102
LCSD 880-64782/3-A	Lab Control Sample Dup	114	118
LCSD 880-64784/3-A	Lab Control Sample Dup	121	119
MB 880-64782/1-A	Method Blank	147 S1+	127
MB 880-64784/1-A	Method Blank	67 S1-	71

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-64783/5-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 12:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 12:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 09:46	10/16/23 12:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:46	10/16/23 12:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 09:46	10/16/23 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/16/23 09:46	10/16/23 12:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/16/23 09:46	10/16/23 12:37	1

Lab Sample ID: LCS 880-64783/1-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64783

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	0.1139		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2196		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1183		mg/Kg		118	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-64783/2-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64783

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	1	35
Toluene	0.100	0.1187		mg/Kg		119	70 - 130	4	35
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2177		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1173		mg/Kg		117	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-34436-1 MS

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 64783

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1058		mg/Kg		106	70 - 130
Toluene	<0.00199	U	0.0998	0.1179		mg/Kg		118	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34436-1 MS

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 64783

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.1039		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2010		mg/Kg		101	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1070		mg/Kg		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-34436-1 MSD

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 64783

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1072		mg/Kg		108	70 - 130	1	35
Toluene	<0.00199	U	0.0990	0.1060		mg/Kg		107	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.0990	0.09851		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1847		mg/Kg		93	70 - 130	8	35
o-Xylene	<0.00199	U	0.0990	0.09618		mg/Kg		97	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-64786/5-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 09:57	10/17/23 02:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 09:57	10/17/23 02:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 09:57	10/17/23 02:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	10/16/23 09:57	10/17/23 02:00	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/16/23 09:57	10/17/23 02:00	1

Lab Sample ID: LCS 880-64786/1-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09777		mg/Kg		98	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1114		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2186		mg/Kg		109	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-64786/1-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1143		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-64786/2-A

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64786

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08977		mg/Kg		90	70 - 130	9	35
Toluene	0.100	0.09493		mg/Kg		95	70 - 130	12	35
Ethylbenzene	0.100	0.09089		mg/Kg		91	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.1817		mg/Kg		91	70 - 130	18	35
o-Xylene	0.100	0.1005		mg/Kg		101	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 880-34436-21 MS

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: T-5 (4.0')

Prep Type: Total/NA

Prep Batch: 64786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.0998	0.05041	F1	mg/Kg		51	70 - 130
Toluene	<0.00200	U	0.0998	0.06974		mg/Kg		70	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.06192	F1	mg/Kg		62	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.1212	F1	mg/Kg		61	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0998	0.05966	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130

Lab Sample ID: 880-34436-21 MSD

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: T-5 (4.0')

Prep Type: Total/NA

Prep Batch: 64786

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	0.0990	0.09402	F2	mg/Kg		95	70 - 130	60	35
Toluene	<0.00200	U	0.0990	0.09805		mg/Kg		99	70 - 130	34	35
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.09861	F2	mg/Kg		100	70 - 130	46	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.198	0.1934	F2	mg/Kg		98	70 - 130	46	35
o-Xylene	<0.00200	U F1 F2	0.0990	0.09828	F2	mg/Kg		99	70 - 130	49	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34436-21 MSD

Matrix: Solid

Analysis Batch: 64760

Client Sample ID: T-5 (4.0')

Prep Type: Total/NA

Prep Batch: 64786

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-64782/1-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64782

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Total TPH	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130	10/16/23 08:00	10/16/23 09:06	1
o-Terphenyl	127		70 - 130	10/16/23 08:00	10/16/23 09:06	1

Lab Sample ID: LCS 880-64782/2-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1004		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1288		mg/Kg		129	70 - 130

Surrogate	LCS	LCS	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-64782/3-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64782

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1253		mg/Kg		125	70 - 130	3	20

Surrogate	LCSD	LCSD	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	118		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34436-1 MS

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 64782

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	999	887.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	801	F1	999	1237	F1	mg/Kg		44	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	126		70 - 130						
o-Terphenyl	94		70 - 130						

Lab Sample ID: 880-34436-1 MSD

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: T-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 64782

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	<49.6	U	999	991.5		mg/Kg		96	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	801	F1	999	1369	F1	mg/Kg		57	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	142	S1+	70 - 130								
o-Terphenyl	105		70 - 130								

Lab Sample ID: MB 880-64784/1-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64784

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		10/16/23 08:00	10/16/23 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Total TPH	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				10/16/23 08:00	10/16/23 09:06	1
o-Terphenyl	71		70 - 130				10/16/23 08:00	10/16/23 09:06	1

Lab Sample ID: LCS 880-64784/2-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	849.3		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	828.2		mg/Kg		83	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-64784/2-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64784

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-64784/3-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64784

			Spike	LCSD	LCSD				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	915.9		mg/Kg		92	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)			1000	932.8		mg/Kg		93	70 - 130	12	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-34436-21 MS

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: T-5 (4.0')

Prep Type: Total/NA

Prep Batch: 64784

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	1229		mg/Kg		122	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	993	1181		mg/Kg		115	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-34436-21 MSD

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: T-5 (4.0')

Prep Type: Total/NA

Prep Batch: 64784

	Sample	Sample	Spike	MSD	MSD				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	993	1179		mg/Kg		117	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	993	1255		mg/Kg		122	70 - 130	6	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	121		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64793/1-A

Matrix: Solid

Analysis Batch: 64900

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			10/17/23 18:05	1

Lab Sample ID: LCS 880-64793/2-A

Matrix: Solid

Analysis Batch: 64900

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.8		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-64793/3-A

Matrix: Solid

Analysis Batch: 64900

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	231.8		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-34436-1 MS

Matrix: Solid

Analysis Batch: 64900

Client Sample ID: T-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11500		4990	16100		mg/Kg		93	90 - 110

Lab Sample ID: 880-34436-1 MSD

Matrix: Solid

Analysis Batch: 64900

Client Sample ID: T-1 (0-1.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11500		4990	16110		mg/Kg		93	90 - 110	0	20

Lab Sample ID: MB 880-64821/1-A

Matrix: Solid

Analysis Batch: 64976

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			10/18/23 18:04	1

Lab Sample ID: LCS 880-64821/2-A

Matrix: Solid

Analysis Batch: 64976

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.7		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-64821/3-A

Matrix: Solid

Analysis Batch: 64976

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	233.5		mg/Kg		93	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-34436-4 MS

Matrix: Solid

Analysis Batch: 64976

Client Sample ID: T-1 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	99.9		249	348.8		mg/Kg		100	90 - 110		

Lab Sample ID: 880-34436-4 MSD

Matrix: Solid

Analysis Batch: 64976

Client Sample ID: T-1 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	99.9		249	350.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-34436-14 MS

Matrix: Solid

Analysis Batch: 64976

Client Sample ID: T-4 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	397	F1	249	551.9	F1	mg/Kg		62	90 - 110		

Lab Sample ID: 880-34436-14 MSD

Matrix: Solid

Analysis Batch: 64976

Client Sample ID: T-4 (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	397	F1	249	552.4	F1	mg/Kg		62	90 - 110	0	20

Lab Sample ID: MB 880-64824/1-A

Matrix: Solid

Analysis Batch: 64978

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			10/18/23 17:50	1

Lab Sample ID: LCS 880-64824/2-A

Matrix: Solid

Analysis Batch: 64978

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride		250	249.5		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-64824/3-A

Matrix: Solid

Analysis Batch: 64978

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	250.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-34436-24 MS

Matrix: Solid

Analysis Batch: 64978

Client Sample ID: T-6 (2.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3210		1250	4535		mg/Kg		107	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-34436-24 MSD

Client Sample ID: T-6 (2.0')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 64978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	3210		1250	4536		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

GC VOA

Analysis Batch: 64760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-2	T-1 (1.5')	Total/NA	Solid	8021B	64783
880-34436-3	T-1 (2.0')	Total/NA	Solid	8021B	64783
880-34436-4	T-1 (3.0')	Total/NA	Solid	8021B	64783
880-34436-5	T-2 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-6	T-2 (1.5')	Total/NA	Solid	8021B	64783
880-34436-7	T-2 (2.0')	Total/NA	Solid	8021B	64783
880-34436-8	T-2 (3.0')	Total/NA	Solid	8021B	64783
880-34436-9	T-3 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-10	T-3 (1.5')	Total/NA	Solid	8021B	64783
880-34436-11	T-3 (2.0')	Total/NA	Solid	8021B	64783
880-34436-12	T-3 (3.0')	Total/NA	Solid	8021B	64783
880-34436-13	T-4 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-14	T-4 (1.5')	Total/NA	Solid	8021B	64783
880-34436-15	T-4 (2.0')	Total/NA	Solid	8021B	64783
880-34436-16	T-4 (3.0')	Total/NA	Solid	8021B	64783
880-34436-17	T-5 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-18	T-5 (1.5')	Total/NA	Solid	8021B	64783
880-34436-19	T-5 (2.0')	Total/NA	Solid	8021B	64783
880-34436-20	T-5 (3.0')	Total/NA	Solid	8021B	64783
880-34436-21	T-5 (4.0')	Total/NA	Solid	8021B	64786
880-34436-22	T-6 (0-1.0')	Total/NA	Solid	8021B	64786
880-34436-23	T-6 (1.5')	Total/NA	Solid	8021B	64786
880-34436-24	T-6 (2.0')	Total/NA	Solid	8021B	64786
880-34436-25	T-6 (3.0')	Total/NA	Solid	8021B	64786
880-34436-26	T-7 (0-1.0')	Total/NA	Solid	8021B	64786
880-34436-27	T-7 (1.5')	Total/NA	Solid	8021B	64786
880-34436-28	T-7 (2.0')	Total/NA	Solid	8021B	64786
880-34436-29	T-7 (3.0')	Total/NA	Solid	8021B	64786
MB 880-64783/5-A	Method Blank	Total/NA	Solid	8021B	64783
MB 880-64786/5-A	Method Blank	Total/NA	Solid	8021B	64786
LCS 880-64783/1-A	Lab Control Sample	Total/NA	Solid	8021B	64783
LCS 880-64786/1-A	Lab Control Sample	Total/NA	Solid	8021B	64786
LCSD 880-64783/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64783
LCSD 880-64786/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64786
880-34436-1 MS	T-1 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8021B	64783
880-34436-21 MS	T-5 (4.0')	Total/NA	Solid	8021B	64786
880-34436-21 MSD	T-5 (4.0')	Total/NA	Solid	8021B	64786

Prep Batch: 64783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Total/NA	Solid	5035	
880-34436-2	T-1 (1.5')	Total/NA	Solid	5035	
880-34436-3	T-1 (2.0')	Total/NA	Solid	5035	
880-34436-4	T-1 (3.0')	Total/NA	Solid	5035	
880-34436-5	T-2 (0-1.0')	Total/NA	Solid	5035	
880-34436-6	T-2 (1.5')	Total/NA	Solid	5035	
880-34436-7	T-2 (2.0')	Total/NA	Solid	5035	
880-34436-8	T-2 (3.0')	Total/NA	Solid	5035	
880-34436-9	T-3 (0-1.0')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Prep Batch: 64783 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-10	T-3 (1.5')	Total/NA	Solid	5035	
880-34436-11	T-3 (2.0')	Total/NA	Solid	5035	
880-34436-12	T-3 (3.0')	Total/NA	Solid	5035	
880-34436-13	T-4 (0-1.0')	Total/NA	Solid	5035	
880-34436-14	T-4 (1.5')	Total/NA	Solid	5035	
880-34436-15	T-4 (2.0')	Total/NA	Solid	5035	
880-34436-16	T-4 (3.0')	Total/NA	Solid	5035	
880-34436-17	T-5 (0-1.0')	Total/NA	Solid	5035	
880-34436-18	T-5 (1.5')	Total/NA	Solid	5035	
880-34436-19	T-5 (2.0')	Total/NA	Solid	5035	
880-34436-20	T-5 (3.0')	Total/NA	Solid	5035	
MB 880-64783/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64783/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64783/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34436-1 MS	T-1 (0-1.0')	Total/NA	Solid	5035	
880-34436-1 MSD	T-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 64786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-21	T-5 (4.0')	Total/NA	Solid	5035	
880-34436-22	T-6 (0-1.0')	Total/NA	Solid	5035	
880-34436-23	T-6 (1.5')	Total/NA	Solid	5035	
880-34436-24	T-6 (2.0')	Total/NA	Solid	5035	
880-34436-25	T-6 (3.0')	Total/NA	Solid	5035	
880-34436-26	T-7 (0-1.0')	Total/NA	Solid	5035	
880-34436-27	T-7 (1.5')	Total/NA	Solid	5035	
880-34436-28	T-7 (2.0')	Total/NA	Solid	5035	
880-34436-29	T-7 (3.0')	Total/NA	Solid	5035	
MB 880-64786/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64786/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64786/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34436-21 MS	T-5 (4.0')	Total/NA	Solid	5035	
880-34436-21 MSD	T-5 (4.0')	Total/NA	Solid	5035	

Analysis Batch: 64919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-3	T-1 (2.0')	Total/NA	Solid	Total BTEX	
880-34436-4	T-1 (3.0')	Total/NA	Solid	Total BTEX	
880-34436-5	T-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-7	T-2 (2.0')	Total/NA	Solid	Total BTEX	
880-34436-8	T-2 (3.0')	Total/NA	Solid	Total BTEX	
880-34436-9	T-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-10	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-11	T-3 (2.0')	Total/NA	Solid	Total BTEX	
880-34436-12	T-3 (3.0')	Total/NA	Solid	Total BTEX	
880-34436-13	T-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-14	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-15	T-4 (2.0')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 64919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-16	T-4 (3.0')	Total/NA	Solid	Total BTEX	
880-34436-17	T-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-18	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-19	T-5 (2.0')	Total/NA	Solid	Total BTEX	
880-34436-20	T-5 (3.0')	Total/NA	Solid	Total BTEX	
880-34436-21	T-5 (4.0')	Total/NA	Solid	Total BTEX	
880-34436-22	T-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-23	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-24	T-6 (2.0')	Total/NA	Solid	Total BTEX	
880-34436-25	T-6 (3.0')	Total/NA	Solid	Total BTEX	
880-34436-26	T-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-34436-27	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-34436-28	T-7 (2.0')	Total/NA	Solid	Total BTEX	
880-34436-29	T-7 (3.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 64755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Total/NA	Solid	8015B NM	64782
880-34436-2	T-1 (1.5')	Total/NA	Solid	8015B NM	64782
880-34436-3	T-1 (2.0')	Total/NA	Solid	8015B NM	64782
880-34436-4	T-1 (3.0')	Total/NA	Solid	8015B NM	64782
880-34436-5	T-2 (0-1.0')	Total/NA	Solid	8015B NM	64782
880-34436-6	T-2 (1.5')	Total/NA	Solid	8015B NM	64782
880-34436-7	T-2 (2.0')	Total/NA	Solid	8015B NM	64782
880-34436-8	T-2 (3.0')	Total/NA	Solid	8015B NM	64782
880-34436-9	T-3 (0-1.0')	Total/NA	Solid	8015B NM	64782
880-34436-10	T-3 (1.5')	Total/NA	Solid	8015B NM	64782
880-34436-11	T-3 (2.0')	Total/NA	Solid	8015B NM	64782
880-34436-12	T-3 (3.0')	Total/NA	Solid	8015B NM	64782
880-34436-13	T-4 (0-1.0')	Total/NA	Solid	8015B NM	64782
880-34436-14	T-4 (1.5')	Total/NA	Solid	8015B NM	64782
880-34436-15	T-4 (2.0')	Total/NA	Solid	8015B NM	64782
880-34436-16	T-4 (3.0')	Total/NA	Solid	8015B NM	64782
880-34436-17	T-5 (0-1.0')	Total/NA	Solid	8015B NM	64782
880-34436-18	T-5 (1.5')	Total/NA	Solid	8015B NM	64782
880-34436-19	T-5 (2.0')	Total/NA	Solid	8015B NM	64782
880-34436-20	T-5 (3.0')	Total/NA	Solid	8015B NM	64782
MB 880-64782/1-A	Method Blank	Total/NA	Solid	8015B NM	64782
LCS 880-64782/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64782
LCSD 880-64782/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64782
880-34436-1 MS	T-1 (0-1.0')	Total/NA	Solid	8015B NM	64782
880-34436-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8015B NM	64782

Analysis Batch: 64757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-21	T-5 (4.0')	Total/NA	Solid	8015B NM	64784
880-34436-22	T-6 (0-1.0')	Total/NA	Solid	8015B NM	64784
880-34436-23	T-6 (1.5')	Total/NA	Solid	8015B NM	64784
880-34436-24	T-6 (2.0')	Total/NA	Solid	8015B NM	64784

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 64757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-25	T-6 (3.0')	Total/NA	Solid	8015B NM	64784
880-34436-26	T-7 (0-1.0')	Total/NA	Solid	8015B NM	64784
880-34436-27	T-7 (1.5')	Total/NA	Solid	8015B NM	64784
880-34436-28	T-7 (2.0')	Total/NA	Solid	8015B NM	64784
880-34436-29	T-7 (3.0')	Total/NA	Solid	8015B NM	64784
MB 880-64784/1-A	Method Blank	Total/NA	Solid	8015B NM	64784
LCS 880-64784/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64784
LCSD 880-64784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64784
880-34436-21 MS	T-5 (4.0')	Total/NA	Solid	8015B NM	64784
880-34436-21 MSD	T-5 (4.0')	Total/NA	Solid	8015B NM	64784

Prep Batch: 64782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-3	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-4	T-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-34436-5	T-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-7	T-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-8	T-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-34436-9	T-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-10	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-11	T-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-12	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-34436-13	T-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-14	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-15	T-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-16	T-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-34436-17	T-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-18	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-19	T-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-20	T-5 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-64782/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64782/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64782/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34436-1 MS	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-1 MSD	T-1 (0-1.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 64784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-21	T-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-34436-22	T-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-23	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-24	T-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-25	T-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-34436-26	T-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-34436-27	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-34436-28	T-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-34436-29	T-7 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-64784/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 64784 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-64784/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34436-21 MS	T-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-34436-21 MSD	T-5 (4.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 64891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-34436-3	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-34436-4	T-1 (3.0')	Total/NA	Solid	8015 NM	
880-34436-5	T-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-34436-7	T-2 (2.0')	Total/NA	Solid	8015 NM	
880-34436-8	T-2 (3.0')	Total/NA	Solid	8015 NM	
880-34436-9	T-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-10	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-34436-11	T-3 (2.0')	Total/NA	Solid	8015 NM	
880-34436-12	T-3 (3.0')	Total/NA	Solid	8015 NM	
880-34436-13	T-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-14	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-34436-15	T-4 (2.0')	Total/NA	Solid	8015 NM	
880-34436-16	T-4 (3.0')	Total/NA	Solid	8015 NM	
880-34436-17	T-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-18	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-34436-19	T-5 (2.0')	Total/NA	Solid	8015 NM	
880-34436-20	T-5 (3.0')	Total/NA	Solid	8015 NM	
880-34436-21	T-5 (4.0')	Total/NA	Solid	8015 NM	
880-34436-22	T-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-23	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-34436-24	T-6 (2.0')	Total/NA	Solid	8015 NM	
880-34436-25	T-6 (3.0')	Total/NA	Solid	8015 NM	
880-34436-26	T-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-34436-27	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-34436-28	T-7 (2.0')	Total/NA	Solid	8015 NM	
880-34436-29	T-7 (3.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 64793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-34436-3	T-1 (2.0')	Soluble	Solid	DI Leach	
MB 880-64793/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64793/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64793/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34436-1 MS	T-1 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-1 MSD	T-1 (0-1.0')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

HPLC/IC

Leach Batch: 64821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-4	T-1 (3.0')	Soluble	Solid	DI Leach	
880-34436-5	T-2 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-6	T-2 (1.5')	Soluble	Solid	DI Leach	
880-34436-7	T-2 (2.0')	Soluble	Solid	DI Leach	
880-34436-8	T-2 (3.0')	Soluble	Solid	DI Leach	
880-34436-9	T-3 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-10	T-3 (1.5')	Soluble	Solid	DI Leach	
880-34436-11	T-3 (2.0')	Soluble	Solid	DI Leach	
880-34436-12	T-3 (3.0')	Soluble	Solid	DI Leach	
880-34436-13	T-4 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-14	T-4 (1.5')	Soluble	Solid	DI Leach	
880-34436-15	T-4 (2.0')	Soluble	Solid	DI Leach	
880-34436-16	T-4 (3.0')	Soluble	Solid	DI Leach	
880-34436-17	T-5 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-18	T-5 (1.5')	Soluble	Solid	DI Leach	
880-34436-19	T-5 (2.0')	Soluble	Solid	DI Leach	
880-34436-20	T-5 (3.0')	Soluble	Solid	DI Leach	
880-34436-21	T-5 (4.0')	Soluble	Solid	DI Leach	
880-34436-22	T-6 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-23	T-6 (1.5')	Soluble	Solid	DI Leach	
MB 880-64821/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64821/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64821/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34436-4 MS	T-1 (3.0')	Soluble	Solid	DI Leach	
880-34436-4 MSD	T-1 (3.0')	Soluble	Solid	DI Leach	
880-34436-14 MS	T-4 (1.5')	Soluble	Solid	DI Leach	
880-34436-14 MSD	T-4 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 64824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-24	T-6 (2.0')	Soluble	Solid	DI Leach	
880-34436-25	T-6 (3.0')	Soluble	Solid	DI Leach	
880-34436-26	T-7 (0-1.0')	Soluble	Solid	DI Leach	
880-34436-27	T-7 (1.5')	Soluble	Solid	DI Leach	
880-34436-28	T-7 (2.0')	Soluble	Solid	DI Leach	
880-34436-29	T-7 (3.0')	Soluble	Solid	DI Leach	
MB 880-64824/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64824/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64824/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34436-24 MS	T-6 (2.0')	Soluble	Solid	DI Leach	
880-34436-24 MSD	T-6 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 64900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1	T-1 (0-1.0')	Soluble	Solid	300.0	64793
880-34436-2	T-1 (1.5')	Soluble	Solid	300.0	64793
880-34436-3	T-1 (2.0')	Soluble	Solid	300.0	64793
MB 880-64793/1-A	Method Blank	Soluble	Solid	300.0	64793
LCS 880-64793/2-A	Lab Control Sample	Soluble	Solid	300.0	64793
LCSD 880-64793/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64793
880-34436-1 MS	T-1 (0-1.0')	Soluble	Solid	300.0	64793

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 64900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-1 MSD	T-1 (0-1.0')	Soluble	Solid	300.0	64793

Analysis Batch: 64976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-4	T-1 (3.0')	Soluble	Solid	300.0	64821
880-34436-5	T-2 (0-1.0')	Soluble	Solid	300.0	64821
880-34436-6	T-2 (1.5')	Soluble	Solid	300.0	64821
880-34436-7	T-2 (2.0')	Soluble	Solid	300.0	64821
880-34436-8	T-2 (3.0')	Soluble	Solid	300.0	64821
880-34436-9	T-3 (0-1.0')	Soluble	Solid	300.0	64821
880-34436-10	T-3 (1.5')	Soluble	Solid	300.0	64821
880-34436-11	T-3 (2.0')	Soluble	Solid	300.0	64821
880-34436-12	T-3 (3.0')	Soluble	Solid	300.0	64821
880-34436-13	T-4 (0-1.0')	Soluble	Solid	300.0	64821
880-34436-14	T-4 (1.5')	Soluble	Solid	300.0	64821
880-34436-15	T-4 (2.0')	Soluble	Solid	300.0	64821
880-34436-16	T-4 (3.0')	Soluble	Solid	300.0	64821
880-34436-17	T-5 (0-1.0')	Soluble	Solid	300.0	64821
880-34436-18	T-5 (1.5')	Soluble	Solid	300.0	64821
880-34436-19	T-5 (2.0')	Soluble	Solid	300.0	64821
880-34436-20	T-5 (3.0')	Soluble	Solid	300.0	64821
880-34436-21	T-5 (4.0')	Soluble	Solid	300.0	64821
880-34436-22	T-6 (0-1.0')	Soluble	Solid	300.0	64821
880-34436-23	T-6 (1.5')	Soluble	Solid	300.0	64821
MB 880-64821/1-A	Method Blank	Soluble	Solid	300.0	64821
LCS 880-64821/2-A	Lab Control Sample	Soluble	Solid	300.0	64821
LCSD 880-64821/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64821
880-34436-4 MS	T-1 (3.0')	Soluble	Solid	300.0	64821
880-34436-4 MSD	T-1 (3.0')	Soluble	Solid	300.0	64821
880-34436-14 MS	T-4 (1.5')	Soluble	Solid	300.0	64821
880-34436-14 MSD	T-4 (1.5')	Soluble	Solid	300.0	64821

Analysis Batch: 64978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34436-24	T-6 (2.0')	Soluble	Solid	300.0	64824
880-34436-25	T-6 (3.0')	Soluble	Solid	300.0	64824
880-34436-26	T-7 (0-1.0')	Soluble	Solid	300.0	64824
880-34436-27	T-7 (1.5')	Soluble	Solid	300.0	64824
880-34436-28	T-7 (2.0')	Soluble	Solid	300.0	64824
880-34436-29	T-7 (3.0')	Soluble	Solid	300.0	64824
MB 880-64824/1-A	Method Blank	Soluble	Solid	300.0	64824
LCS 880-64824/2-A	Lab Control Sample	Soluble	Solid	300.0	64824
LCSD 880-64824/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64824
880-34436-24 MS	T-6 (2.0')	Soluble	Solid	300.0	64824
880-34436-24 MSD	T-6 (2.0')	Soluble	Solid	300.0	64824

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (0-1.0')

Lab Sample ID: 880-34436-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 13:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 11:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		20			64900	10/17/23 19:58	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-34436-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 13:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 20:18	CH	EET MID

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-34436-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 13:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 13:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 20:25	CH	EET MID

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-34436-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 14:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-34436-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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			64891	10/16/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 13:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 18:24	CH	EET MID

Client Sample ID: T-2 (0-1.0')

Lab Sample ID: 880-34436-5

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 14:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64976	10/18/23 18:44	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-34436-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64976	10/18/23 18:50	CH	EET MID

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-34436-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 15:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 14:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-34436-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64976	10/18/23 18:57	CH	EET MID

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-34436-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 16:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 15:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 19:03	CH	EET MID

Client Sample ID: T-3 (0-1.0')

Lab Sample ID: 880-34436-9

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 16:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 15:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	64976	10/18/23 19:23	CH	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-34436-10

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 16:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64976	10/18/23 19:30	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (2.0')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 18:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 18:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 16:28	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64976	10/18/23 19:37	CH	EET MID

Client Sample ID: T-3 (3.0')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 19:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 16:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 19:43	CH	EET MID

Client Sample ID: T-4 (0-1.0')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 17:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64976	10/18/23 19:50	CH	EET MID

Client Sample ID: T-4 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 19:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 19:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-34436-14

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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			64891	10/16/23 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 19:57	CH	EET MID

Client Sample ID: T-4 (2.0')

Lab Sample ID: 880-34436-15

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 20:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 20:17	CH	EET MID

Client Sample ID: T-4 (3.0')

Lab Sample ID: 880-34436-16

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 20:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 20:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 18:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 20:23	CH	EET MID

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-34436-17

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 21:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 18:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 18:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (0-1.0')

Lab Sample ID: 880-34436-17

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64976	10/18/23 20:43	CH	EET MID

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-34436-18

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 21:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64976	10/18/23 20:50	CH	EET MID

Client Sample ID: T-5 (2.0')

Lab Sample ID: 880-34436-19

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 22:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 19:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64976	10/18/23 20:57	CH	EET MID

Client Sample ID: T-5 (3.0')

Lab Sample ID: 880-34436-20

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64783	10/16/23 09:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/16/23 22:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/16/23 22:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 19:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64782	10/16/23 09:38	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 19:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64976	10/18/23 21:03	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (4.0')

Lab Sample ID: 880-34436-21

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 02:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 02:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 11:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64976	10/18/23 21:10	CH	EET MID

Client Sample ID: T-6 (0-1.0')

Lab Sample ID: 880-34436-22

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 02:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 12:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64976	10/18/23 21:17	CH	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-34436-23

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 03:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 03:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 13:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64821	10/16/23 15:49	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64976	10/18/23 21:24	CH	EET MID

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-34436-24

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 03:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 03:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (2.0')

Lab Sample ID: 880-34436-24

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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			64891	10/16/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 13:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64824	10/16/23 15:52	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	64978	10/18/23 18:07	CH	EET MID

Client Sample ID: T-6 (3.0')

Lab Sample ID: 880-34436-25

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 04:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 04:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 13:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64824	10/16/23 15:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64978	10/18/23 18:24	CH	EET MID

Client Sample ID: T-7 (0-1.0')

Lab Sample ID: 880-34436-26

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 04:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 04:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64824	10/16/23 15:52	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	64978	10/18/23 18:29	CH	EET MID

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-34436-27

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 05:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 05:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 14:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	64824	10/16/23 15:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64978	10/18/23 18:35	CH	EET MID

Client Sample ID: T-7 (2.0')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 05:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 05:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 15:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.94 g	50 mL	64824	10/16/23 15:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64978	10/18/23 18:40	CH	EET MID

Client Sample ID: T-7 (3.0')

Date Collected: 10/11/23 00:00

Date Received: 10/13/23 16:03

Lab Sample ID: 880-34436-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	64786	10/16/23 09:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64760	10/17/23 05:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64919	10/17/23 05:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			64891	10/16/23 15:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			4.93 g	50 mL	64824	10/16/23 15:52	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	64978	10/18/23 18:57	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34436-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34436-1	T-1 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-2	T-1 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-3	T-1 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-4	T-1 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-5	T-2 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-6	T-2 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-7	T-2 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-8	T-2 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-9	T-3 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-10	T-3 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-11	T-3 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-12	T-3 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-13	T-4 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-14	T-4 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-15	T-4 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-16	T-4 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-17	T-5 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-18	T-5 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-19	T-5 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-20	T-5 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-21	T-5 (4.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-22	T-6 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-23	T-6 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-24	T-6 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-25	T-6 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-26	T-7 (0-1.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-27	T-7 (1.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-28	T-7 (2.0')	Solid	10/11/23 00:00	10/13/23 16:03
880-34436-29	T-7 (3.0')	Solid	10/11/23 00:00	10/13/23 16:03

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Project Manager: Connor Moehring
Company Name: Carmona Resources
Address: 310 W Wall St Ste 500
City, State ZIP: Midland, TX 79701
Phone: (432) 813-6823
Bill to: (if different)
Company Name: NGL Water Solutions Permian
Address: 865 N Albino Street, Suite 400
City, State ZIP: Denver CO 80220
Email: Joseph.Vargo@nqlep.com

Project Name: Saints Booster
Project Number: 2151
Project Location: Eddy County New Mexico
Sampler's Name: GPJ
PO #:
SAMPLE RECEIPT
Received Intact: Yes No
Cooler Custody Seals: Yes No
Sample Custody Seals: Yes No
Total Containers:
Parameters
BTEX 8021B
TPH 8015M (GRO + DRO + MRO)
Chloride 300 0
ANALYSIS REQUEST
Preservative Codes
None NO
Cool Cool
HCL HC
H2SO4 H2
H3PO4 HP
NaHSO4 NABIS
Na2S2O3 NaSO3
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC
Work Order Comments
Program: UST/PT PRP Brownfields RC Perfund
State of Project:
Reporting Level II Level III ST/UST RRP Level IV
Deliverables EDD ADAPT Other

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	ANALYSIS REQUEST	Preservative Codes	Sample Comments
T-1 (0-1 0')	10/11/2023		X		G	1	X	X	X			
T-1 (1 5')	10/11/2023		X		G	1	X	X	X			
T-1 (2 0')	10/11/2023		X		G	1	X	X	X			
T-1 (3 0')	10/11/2023		X		G	1	X	X	X			
T-2 (0-1 0')	10/11/2023		X		G	1	X	X	X			
T-2 (1 5')	10/11/2023		X		G	1	X	X	X			
T-2 (2 0')	10/11/2023		X		G	1	X	X	X			
T-2 (3 0')	10/11/2023		X		G	1	X	X	X			
T-3 (0-1 0')	10/11/2023		X		G	1	X	X	X			
T-3 (1 5')	10/11/2023		X		G	1	X	X	X			

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Connor Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature): *Connor Moehring*
Date/Time:
Received by (Signature): *J. Vargo*
Date/Time: 10/13/23 1603



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Work Order No: _____

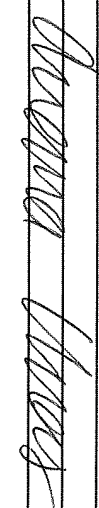
Page 2 of 3

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street, Suite 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 ☐ Brownfields ☐ RRC ☐ Pertund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name		Saints Booster		Turn Around			Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number	2151			☒ Routine	☐ Rush			None NO	DI Water H ₂ O										
Project Location	Eddy County New Mexico			Due Date						Cool Cool	MeOH Me								
Sampler's Name	GPJ					HCL HC						HNO ₃ HN							
PO #:									H ₂ SO ₄ H ₂	NaOH Na									
SAMPLE RECEIPT				Temp Blank.	Yes	No	Thermometer ID												
Received Intact:				Yes	No	Correction Factor													
Cooler Custody Seals.				Yes	No	N/A	Temperature Reading												
Sample Custody Seals				Yes	No	N/A													
Total Containers						Corrected Temperature													
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
T-3 (2' 0")		10/11/2023		X		G	1	X	X	X									
T-3 (3' 0")		10/11/2023		X		G	1	X	X	X									
T-4 (0'-1' 0")		10/11/2023		X		G	1	X	X	X									
T-4 (1' 5")		10/11/2023		X		G	1	X	X	X									
T-4 (2' 0")		10/11/2023		X		G	1	X	X	X									
T-4 (3' 0")		10/11/2023		X		G	1	X	X	X									
T-5 (0'-1' 0")		10/11/2023		X		G	1	X	X	X									
T-5 (1' 5")		10/11/2023		X		G	1	X	X	X									
T-5 (2' 0")		10/11/2023		X		G	1	X	X	X									
T-5 (3' 0")		10/11/2023		X		G	1	X	X	X									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Connor Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time	Received by (Signature)	Date/Time
				

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C A R O C S Y

Work Order No: _____

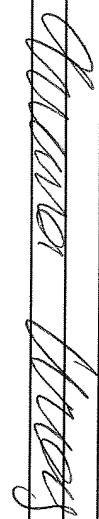
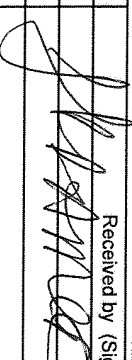
Page 3 of 3

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street, Suite 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/PT	PRP Brownfields RC Infund
State of Project:	
Reporting Level II	Level III ST/UST RRP Level IV
Deliverables EDD	ADAPT Other

Project Name	Saints Booster	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	2151	☒ Routine ☐ Rush														None NO	DI Water H ₂ O	
Project Location	Eddy County New Mexico	Due Date														Cool Cool	MeOH Me	
Sampler's Name	GPJ															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		Correction Factor													NaHSO ₄ NABIS		
Cooler Custody Seals	Yes No	N/A	Temperature Reading													Na-SO 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-5 (4 0')	10/11/2023		X		G	1	X	X	X									
T-6 (0-1 0')	10/11/2023		X		G	1	X	X	X									
T-6 (1 5')	10/11/2023		X		G	1	X	X	X									
T-6 (2 0')	10/11/2023		X		G	1	X	X	X									
T-6 (3 0')	10/11/2023		X		G	1	X	X	X									
T-7 (0-1 0')	10/11/2023		X		G	1	X	X	X									
T-7 (1 5')	10/11/2023		X		G	1	X	X	X									
T-7 (2 0')	10/11/2023		X		G	1	X	X	X									
T-7 (3 0')	10/11/2023		X		G	1	X	X	X									

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Connor Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34436-1

SDG Number: Eddy County New Mexico

Login Number: 34436

List Number: 1

Creator: Kramer, Jessica

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.	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	



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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/20/2023 10:09:12 AM

JOB DESCRIPTION

Saints Booster
SDG NUMBER Eddy County New Mexico

JOB NUMBER

880-34435-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
10/20/2023 10:09:12 AM

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

Client: Carmona Resources
Project/Site: Saints Booster

Laboratory Job ID: 880-34435-1
SDG: Eddy County New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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
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

Case Narrative

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Job ID: 880-34435-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-34435-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/13/2023 4:03 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 -4.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-64902 and analytical batch 880-64936 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-34435-1), H-3 (0-0.5') (880-34435-3), H-4 (0-0.5') (880-34435-4), H-5 (0-0.5') (880-34435-5), H-6 (0-0.5') (880-34435-6), H-7 (0-0.5') (880-34435-7) and H-8 (0-0.5') (880-34435-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-34497-A-1-C MS) and (880-34497-A-1-D 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 surrogate recovery for the blank associated with preparation batch 880-64784 and analytical batch 880-64757 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-34436-A-21-A) and (880-34436-A-21-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-5 (0-0.5') (880-34435-5) and H-7 (0-0.5') (880-34435-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-64793 and 880-64793 and analytical batch 880-64900 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: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34435-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 20:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 20:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 20:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/23 14:45	10/18/23 20:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 20:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/23 14:45	10/18/23 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	10/17/23 14:45	10/18/23 20:51	1
1,4-Difluorobenzene (Surr)	82		70 - 130	10/17/23 14:45	10/18/23 20:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/23 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/16/23 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 15:44	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 15:44	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 15:44	1
Total TPH	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/16/23 09:46	10/16/23 15:44	1
o-Terphenyl	103		70 - 130	10/16/23 09:46	10/16/23 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.2		5.05		mg/Kg			10/17/23 18:51	1

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

Lab Sample ID: 880-34435-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 21:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 21:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 21:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/18/23 21:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 21:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/18/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/17/23 14:45	10/18/23 21:17	1
1,4-Difluorobenzene (Surr)	79		70 - 130	10/17/23 14:45	10/18/23 21:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34435-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/23 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 16:28	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 16:28	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 16:28	1
Total TPH	<50.5	U	50.5		mg/Kg		10/16/23 09:46	10/16/23 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	10/16/23 09:46	10/16/23 16:28	1
o-Terphenyl	127		70 - 130	10/16/23 09:46	10/16/23 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.99		mg/Kg			10/17/23 18:58	1

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

Lab Sample ID: 880-34435-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 22:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 22:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 22:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/18/23 22:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/18/23 22:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/18/23 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	10/17/23 14:45	10/18/23 22:59	1
1,4-Difluorobenzene (Surr)	77		70 - 130	10/17/23 14:45	10/18/23 22:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/23 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/16/23 16:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/16/23 09:46	10/16/23 16:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34435-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<50.2	U	50.2		mg/Kg		10/16/23 09:46	10/16/23 16:50	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/16/23 09:46	10/16/23 16:50	1
Total TPH	<50.2	U	50.2		mg/Kg		10/16/23 09:46	10/16/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/16/23 09:46	10/16/23 16:50	1
o-Terphenyl	108		70 - 130	10/16/23 09:46	10/16/23 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.97		mg/Kg			10/17/23 19:05	1

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

Lab Sample ID: 880-34435-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/23 14:45	10/18/23 23:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/23 14:45	10/18/23 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	10/17/23 14:45	10/18/23 23:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/17/23 14:45	10/18/23 23:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/23 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/16/23 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/16/23 09:46	10/16/23 17:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/16/23 09:46	10/16/23 17:12	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/16/23 09:46	10/16/23 17:12	1
Total TPH	<50.4	U	50.4		mg/Kg		10/16/23 09:46	10/16/23 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	10/16/23 09:46	10/16/23 17:12	1
o-Terphenyl	116		70 - 130	10/16/23 09:46	10/16/23 17:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34435-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.96		mg/Kg			10/17/23 19:25	1

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-34435-5

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/17/23 14:45	10/18/23 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 23:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/17/23 14:45	10/18/23 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	10/17/23 14:45	10/18/23 23:50	1
1,4-Difluorobenzene (Surr)	79		70 - 130	10/17/23 14:45	10/18/23 23:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/23 23:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/23 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:33	1
Total TPH	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130	10/16/23 09:46	10/16/23 17:33	1
o-Terphenyl	133	S1+	70 - 130	10/16/23 09:46	10/16/23 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.9		5.00		mg/Kg			10/17/23 19:31	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-34435-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-34435-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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		10/17/23 14:45	10/19/23 00:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/19/23 00:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/19/23 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130				10/17/23 14:45	10/19/23 00:16	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/17/23 14:45	10/19/23 00:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/23 00:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/23 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:55	1
Total TPH	<49.9	U	49.9		mg/Kg		10/16/23 09:46	10/16/23 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				10/16/23 09:46	10/16/23 17:55	1
o-Terphenyl	127		70 - 130				10/16/23 09:46	10/16/23 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.9		4.98		mg/Kg			10/17/23 19:38	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-34435-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/19/23 00:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/23 14:45	10/19/23 00:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/23 14:45	10/19/23 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				10/17/23 14:45	10/19/23 00:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/17/23 14:45	10/19/23 00:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-34435-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/19/23 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/16/23 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 18:17	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 18:17	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 18:17	1
Total TPH	<50.1	U	50.1		mg/Kg		10/16/23 09:46	10/16/23 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130	10/16/23 09:46	10/16/23 18:17	1
o-Terphenyl	147	S1+	70 - 130	10/16/23 09:46	10/16/23 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.01		mg/Kg			10/17/23 19:45	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-34435-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/19/23 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/19/23 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/19/23 01:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/23 14:45	10/19/23 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/19/23 01:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/23 14:45	10/19/23 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130	10/17/23 14:45	10/19/23 01:07	1
1,4-Difluorobenzene (Surr)	85		70 - 130	10/17/23 14:45	10/19/23 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/19/23 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/16/23 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 18:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-34435-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

Method: SW846 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)	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 18:40	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 18:40	1
Total TPH	<50.3	U	50.3		mg/Kg		10/16/23 09:46	10/16/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/16/23 09:46	10/16/23 18:40	1
o-Terphenyl	109		70 - 130	10/16/23 09:46	10/16/23 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.2		5.02		mg/Kg			10/17/23 19:51	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-34435-1	H-1 (0-0.5')	153 S1+	82
880-34435-2	H-2 (0-0.5')	114	79
880-34435-3	H-3 (0-0.5')	171 S1+	77
880-34435-4	H-4 (0-0.5')	150 S1+	101
880-34435-5	H-5 (0-0.5')	145 S1+	79
880-34435-6	H-6 (0-0.5')	153 S1+	92
880-34435-7	H-7 (0-0.5')	147 S1+	101
880-34435-8	H-8 (0-0.5')	154 S1+	85
880-34497-A-1-C MS	Matrix Spike	87	97
880-34497-A-1-D MSD	Matrix Spike Duplicate	140 S1+	85
LCS 880-64902/1-A	Lab Control Sample	128	84
LCSD 880-64902/2-A	Lab Control Sample Dup	129	91
MB 880-64902/5-A	Method Blank	87	82
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)
880-34435-1	H-1 (0-0.5')	105	103
880-34435-2	H-2 (0-0.5')	127	127
880-34435-3	H-3 (0-0.5')	109	108
880-34435-4	H-4 (0-0.5')	116	116
880-34435-5	H-5 (0-0.5')	133 S1+	133 S1+
880-34435-6	H-6 (0-0.5')	127	127
880-34435-7	H-7 (0-0.5')	151 S1+	147 S1+
880-34435-8	H-8 (0-0.5')	111	109
880-34436-A-21-B MS	Matrix Spike	128	115
880-34436-A-21-C MSD	Matrix Spike Duplicate	136 S1+	121
LCS 880-64784/2-A	Lab Control Sample	104	102
LCSD 880-64784/3-A	Lab Control Sample Dup	121	119
MB 880-64784/1-A	Method Blank	67 S1-	71
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-64902/5-A

Matrix: Solid

Analysis Batch: 64936

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 17:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 17:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 17:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/17/23 14:45	10/18/23 17:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/23 14:45	10/18/23 17:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/17/23 14:45	10/18/23 17:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	10/17/23 14:45	10/18/23 17:01	1
1,4-Difluorobenzene (Surr)	82		70 - 130	10/17/23 14:45	10/18/23 17:01	1

Lab Sample ID: LCS 880-64902/1-A

Matrix: Solid

Analysis Batch: 64936

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09521		mg/Kg		95	70 - 130
Toluene	0.100	0.09928		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1066		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2023		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09627		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-64902/2-A

Matrix: Solid

Analysis Batch: 64936

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64902

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	6	35
Toluene	0.100	0.1028		mg/Kg		103	70 - 130	3	35
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2030		mg/Kg		101	70 - 130	0	35
o-Xylene	0.100	0.1145		mg/Kg		114	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-34497-A-1-C MS

Matrix: Solid

Analysis Batch: 64936

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 64902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.07257		mg/Kg		73	70 - 130
Toluene	<0.00200	U	0.0998	0.07707		mg/Kg		77	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34497-A-1-C MS

Matrix: Solid

Analysis Batch: 64936

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 64902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.07142		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.09645	F1	mg/Kg		48	70 - 130
o-Xylene	<0.00200	U	0.0998	0.07740		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-34497-A-1-D MSD

Matrix: Solid

Analysis Batch: 64936

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 64902

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.06950		mg/Kg		70	70 - 130	4	35
Toluene	<0.00200	U	0.0990	0.08328		mg/Kg		84	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.0990	0.07791		mg/Kg		79	70 - 130	9	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.198	0.1536	F2	mg/Kg		78	70 - 130	46	35
o-Xylene	<0.00200	U	0.0990	0.08338		mg/Kg		84	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

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

Lab Sample ID: MB 880-64784/1-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64784

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		10/16/23 08:00	10/16/23 09:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1
Total TPH	<50.0	U	50.0		mg/Kg		10/16/23 08:00	10/16/23 09:06	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	10/16/23 08:00	10/16/23 09:06	1
o-Terphenyl	71		70 - 130	10/16/23 08:00	10/16/23 09:06	1

Lab Sample ID: LCS 880-64784/2-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	849.3		mg/Kg		85	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-64784/2-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64784

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Diesel Range Organics (Over C10-C28)			1000	828.2		mg/Kg		83	70 - 130		
Surrogate	LCS	LCS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	104		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: LCSD 880-64784/3-A

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64784

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	915.9		mg/Kg		92	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	932.8		mg/Kg		93	70 - 130	12	20
Surrogate	LCSD	LCSD	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	121		70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: 880-34436-A-21-B MS

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 64784

	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	993	1229		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	993	1181		mg/Kg		115	70 - 130		

Lab Sample ID: 880-34436-A-21-C MSD

Matrix: Solid

Analysis Batch: 64757

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 64784

	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	993	1179		mg/Kg		117	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	993	1255		mg/Kg		122	70 - 130	6	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	121		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64793/1-A

Matrix: Solid

Analysis Batch: 64900

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			10/17/23 18:05	1

Lab Sample ID: LCS 880-64793/2-A

Matrix: Solid

Analysis Batch: 64900

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	231.8		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-64793/3-A

Matrix: Solid

Analysis Batch: 64900

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	231.8		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-34434-A-1-B MS

Matrix: Solid

Analysis Batch: 64900

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	384	F1	251	604.7	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-34434-A-1-C MSD

Matrix: Solid

Analysis Batch: 64900

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	384	F1	251	605.7	F1	mg/Kg		88	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 64902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-34435-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-34435-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-34435-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-34435-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-34435-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-34435-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-34435-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-64902/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64902/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64902/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34497-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-34497-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 64936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-2	H-2 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-3	H-3 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-4	H-4 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-5	H-5 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-6	H-6 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-7	H-7 (0-0.5')	Total/NA	Solid	8021B	64902
880-34435-8	H-8 (0-0.5')	Total/NA	Solid	8021B	64902
MB 880-64902/5-A	Method Blank	Total/NA	Solid	8021B	64902
LCS 880-64902/1-A	Lab Control Sample	Total/NA	Solid	8021B	64902
LCSD 880-64902/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64902
880-34497-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	64902
880-34497-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	64902

Analysis Batch: 65169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34435-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 64757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	64784
880-34435-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	64784
880-34435-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	64784
880-34435-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	64784
880-34435-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	64784
880-34435-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	64784

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 64757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	64784
880-34435-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	64784
MB 880-64784/1-A	Method Blank	Total/NA	Solid	8015B NM	64784
LCS 880-64784/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64784
LCSD 880-64784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64784
880-34436-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	64784
880-34436-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	64784

Prep Batch: 64784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34435-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-64784/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64784/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34436-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34436-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 64893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-34435-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 64793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-34435-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-64793/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64793/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64793/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34434-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Leach Batch: 64793 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34434-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 64900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34435-1	H-1 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-2	H-2 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-3	H-3 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-4	H-4 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-5	H-5 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-6	H-6 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-7	H-7 (0-0.5')	Soluble	Solid	300.0	64793
880-34435-8	H-8 (0-0.5')	Soluble	Solid	300.0	64793
MB 880-64793/1-A	Method Blank	Soluble	Solid	300.0	64793
LCS 880-64793/2-A	Lab Control Sample	Soluble	Solid	300.0	64793
LCSD 880-64793/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64793
880-34434-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	64793
880-34434-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	64793

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34435-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/18/23 20:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/18/23 20:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 18:51	CH	EET MID

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

Lab Sample ID: 880-34435-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/18/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/18/23 21:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 16:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 18:58	CH	EET MID

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

Lab Sample ID: 880-34435-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/18/23 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/18/23 22:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 16:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 16:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 19:05	CH	EET MID

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

Lab Sample ID: 880-34435-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/18/23 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/18/23 23:25	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-34435-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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			64893	10/16/23 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 17:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 19:25	CH	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-34435-5

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/18/23 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/18/23 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 17:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 17:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 19:31	CH	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-34435-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/19/23 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/19/23 00:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 19:38	CH	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-34435-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/13/23 16:03

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/19/23 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/19/23 00:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 18:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Client Sample ID: H-7 (0-0.5')**Lab Sample ID: 880-34435-7****Date Collected: 10/11/23 00:00****Matrix: Solid****Date Received: 10/13/23 16:03**

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	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 19:45	CH	EET MID

Client Sample ID: H-8 (0-0.5')**Lab Sample ID: 880-34435-8****Date Collected: 10/11/23 00:00****Matrix: Solid****Date Received: 10/13/23 16:03**

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	64902	10/17/23 14:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64936	10/19/23 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65169	10/19/23 01:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			64893	10/16/23 18:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64784	10/16/23 09:46	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 18:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64793	10/16/23 11:48	SMC	EET MID
Soluble	Analysis	300.0		1			64900	10/17/23 19:51	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
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: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Saints Booster

Job ID: 880-34435-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34435-1	H-1 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-2	H-2 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-3	H-3 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-4	H-4 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-5	H-5 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-6	H-6 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-7	H-7 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03
880-34435-8	H-8 (0-0.5')	Solid	10/11/23 00:00	10/13/23 16:03

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

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



880-34435 Chain of Custody

Page 1 of 1

Project Manager	Connor Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 500	Address	865 N Albino Street, Suite 400
City State ZIP	Midland, TX 79701	City State ZIP	Denver CO 80220
Phone	(432) 813-6823	Email	Joseph.Vargo@ndep.com

Work Order Comments	
Program UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Superfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other

Project Name	Saints Booster	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	2151	Due Date															None NO	DI Water H ₂ O	
Project Location	Eddy County New Mexico																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 ₃ PO ₄ HP		
Received Inact	Yes No	Thermometer ID															NaHSO ₄ NABIS		
Cooler Custody Seals	Yes No	Correction Factor															Na ₂ S ₂ O ₈ NaSO ₄		
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													Sample Comments
H-1 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-2 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-3 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-4 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-5 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-6 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-7 (0-0.5')	10/11/2023		X		G	1	X	X	X										
H-8 (0-0.5')	10/11/2023		X		G	1	X	X	X										

Comments Email to Mike Cammona / mcammona@carmonaresources.com and Connor Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Michael Wright</i>		<i>Joseph Vargo</i>	10/13/23
			1603

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34435-1

SDG Number: Eddy County New Mexico

Login Number: 34435

List Number: 1

Creator: Kramer, Jessica

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.	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	

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

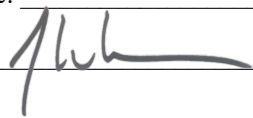
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Shelly Wells Date: 12/1/2023

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 12/01/2023

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 290235

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 290235
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The variance for 400 ft2 confirmation sample size is approved. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. The work will need to occur in 90 days after the report has been reviewed.	12/1/2023