



SITE INFORMATION

Closure Report
Beta to NGL Riser
Incident ID: NAPP2314436782
Eddy County, New Mexico
Unit G Sec 8 T26S R31E
32.058398°, -103.800220°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 05/09/23
Volume Released: 50 Barrels of Produced Water
Volume Recovered: 30 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
EOG Resources
5509 Champions Drive
Midland, TX 79706

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701



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November 9, 2023

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

**Re: Closure Report
Beta to NGL Riser
EOG Resources Inc.
Incident #: nAPP2314436782
Site Location: Unit G Sec 8 T26S R31E
(Lat 32.058398°, Long -103.800220°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document the Beta to NGL Riser site activities. The site is located at 32.058398°, -103.800220° within Unit G Sec 8 T26S R31E, 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 May 9, 2023, and was caused by a pump seal and bearings failure. It released approximately fifty (50) barrels of produced water, and approximately thirty (30) barrels of produced water were recovered. The impacted area occurred in the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are two known wells within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.08 miles South of the site in S08, T26S, R31E and was drilled in 1977. The well has a reported depth to groundwater of 300 feet below the ground surface (ft bgs). The second well is located approximately 0.24 miles Southwest of the site in S08, T26S, R31E and was drilled in 1946. The well has a reported depth to groundwater of 292 feet below the ground surface (ft bgs).

On November 4, 2021, a third-party consultant was granted landowner permission to gauge groundwater depth in the water well. Due to downhole hosing and lines inside the water well casing, the personnel onsite could only lower the instrumentation to a depth of 150 feet bgs. Although groundwater was not encountered, the depth of groundwater was established to be greater than 100 feet. A copy of the associated Summary Report is attached in Appendix D.

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



3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,500 mg/kg (GRO + DRO + MRO).
- TPH; 1,000 mg/kg (GRO+DRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

On May 25, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontal samples (H-1 through H-4) were advanced to depths ranging from the surface to 3' bgs inside and surrounding the release areas to evaluate the vertical and horizontal extent. 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 sample locations are shown in Figure 3. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 26, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 3.0' below the surface, the area of S-2 was excavated to a depth of 3.5' below the surface, and the area of S-3 was excavated to a depth of 2.0' below the surface to remove all the impacted soils. A total of six (6) floor confirmation samples were collected (CS-1 through CS-6), and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 120 cubic yards of material were excavated and transported offsite for proper disposal.

CARMONA RESOURCES



6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

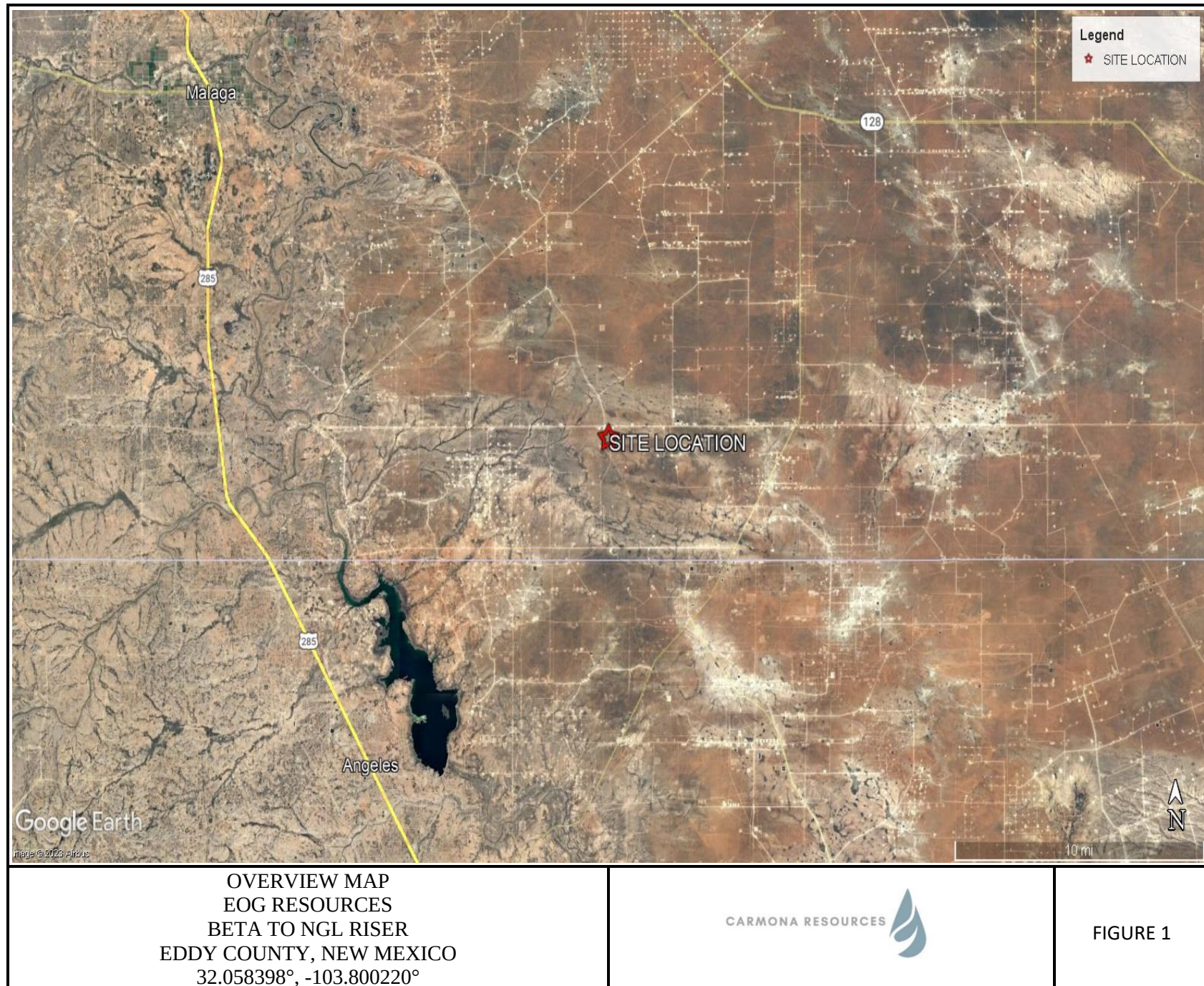
Mike Carmona
Environmental Manager

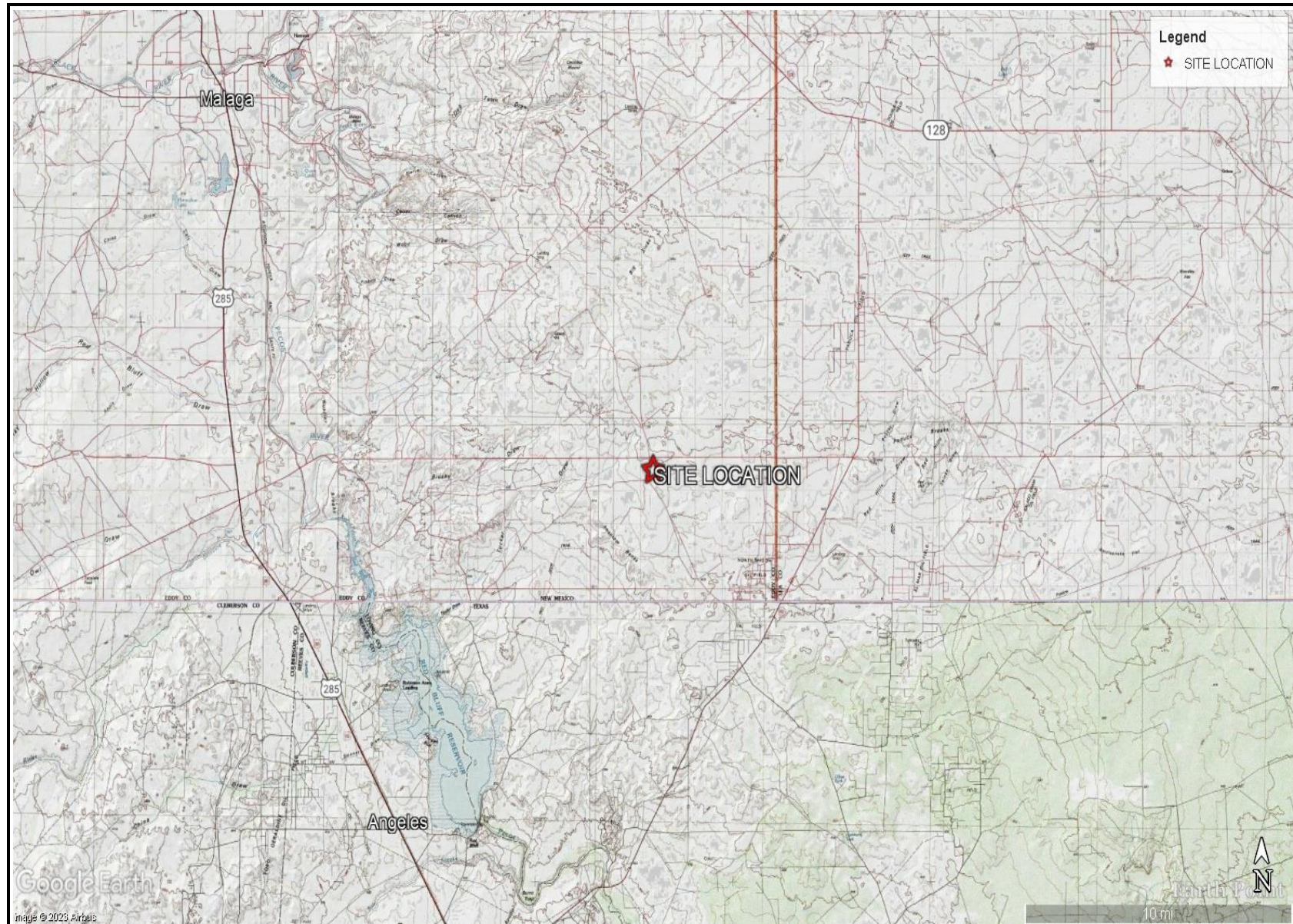
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



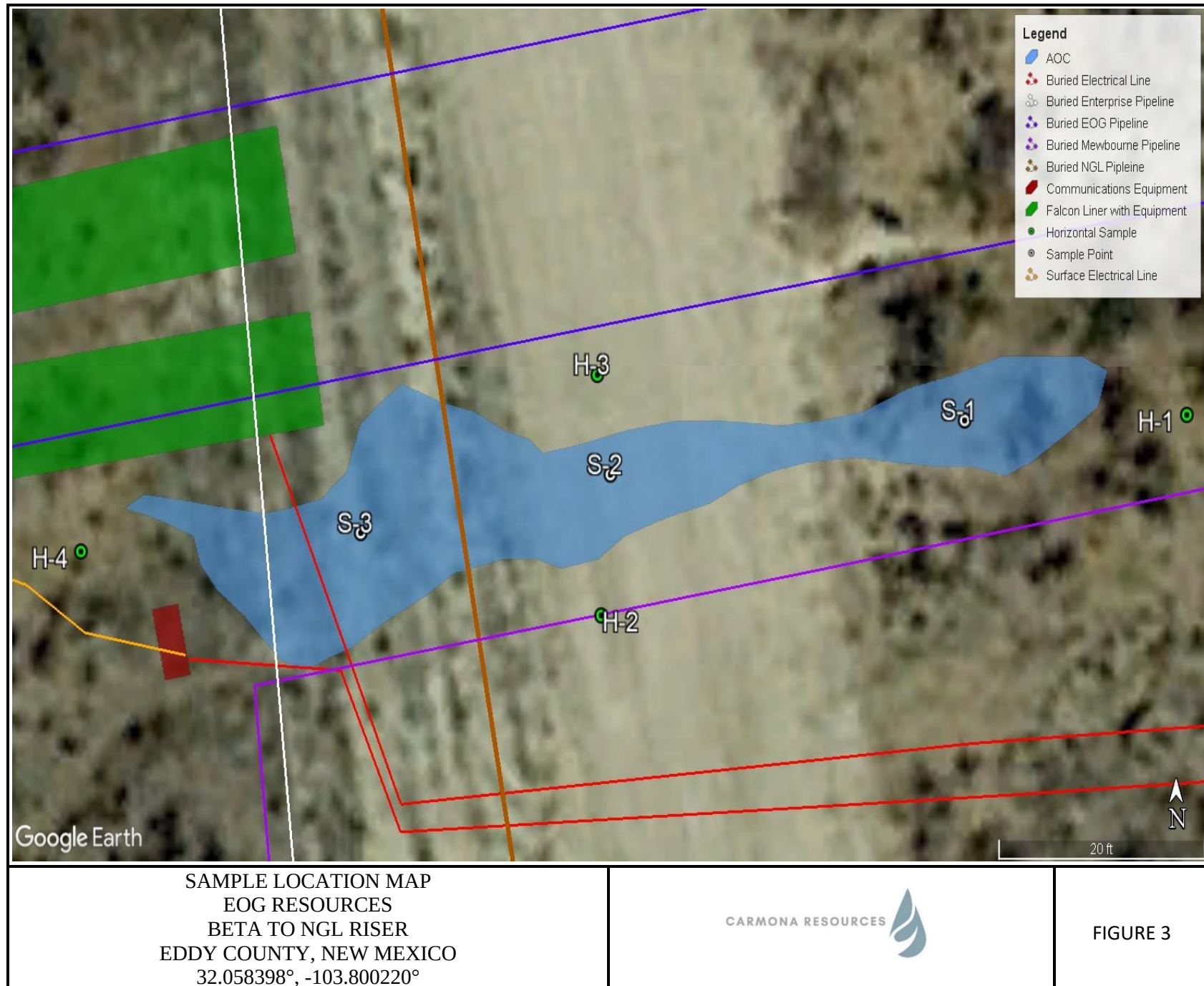


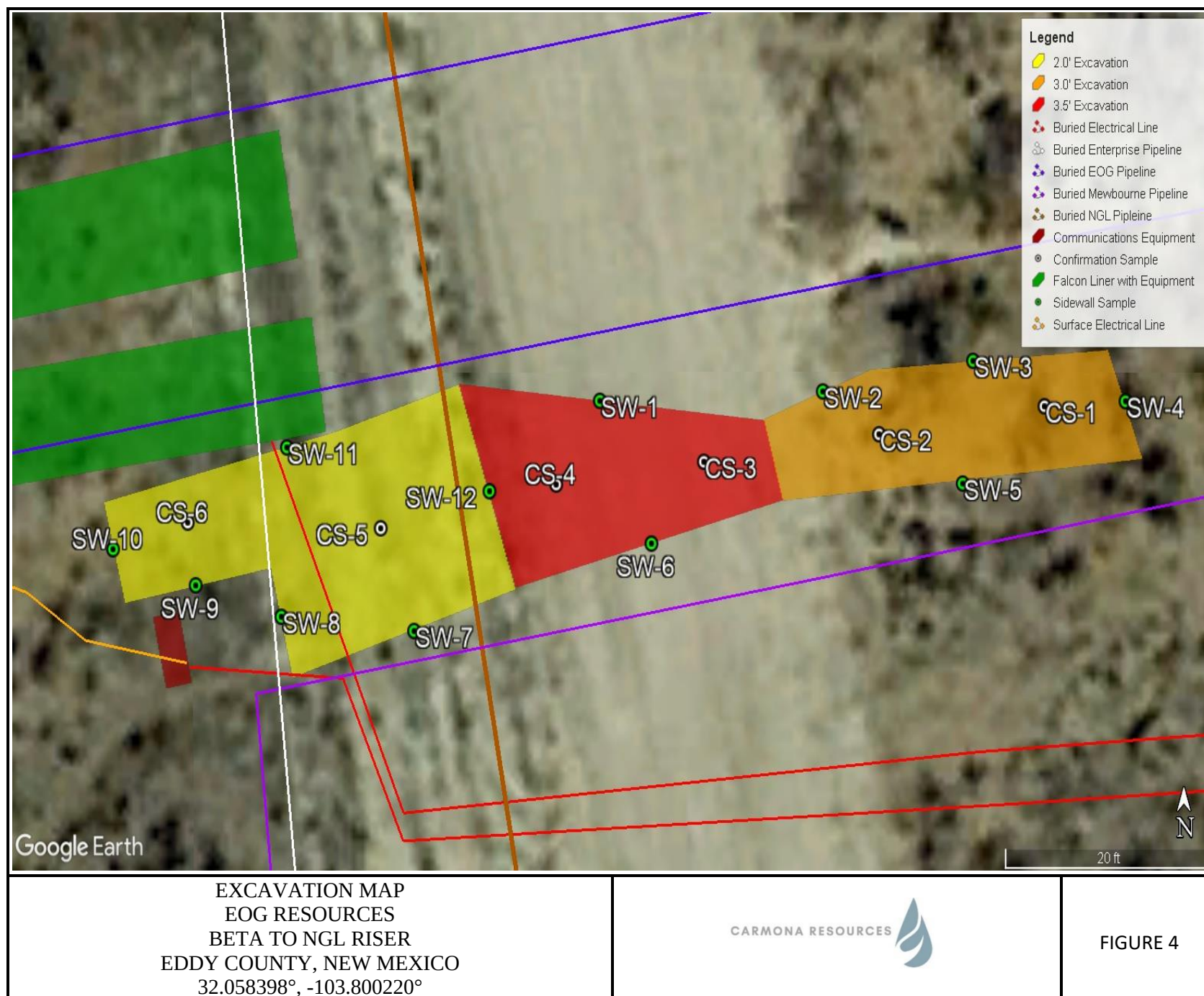


TOPOGRAPHIC MAP
EOG RESOURCES
BETA TO NGL RISER
EDDY COUNTY, NEW MEXICO
32.058398°, -103.800220°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Beta to NGL Riser
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						
S-1	5/25/2023	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,050
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,280
	"	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	720
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	138
S-2	5/25/2023	0-1.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,750
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,800
	"	2.0'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,090
	"	3.0'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,260
S-3	5/25/2023	0-1.0'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13,000
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,220
H-1	5/25/2023	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.6
H-2	5/25/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	178
H-3	5/25/2023	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	206
H-4	5/25/2023	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	203
Regulatory Criteria^A			1,000 mg/kg			1,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample

Removed

Table 2
EOG Resources
Beta to NGL Riser Spill
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						
CS-1	6/29/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	69.6
CS-2	6/29/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	82.8
CS-3	6/29/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.7
CS-4	6/29/2023	3.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	51.6
CS-5	6/29/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	61.3
CS-6	6/29/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.6
SW-1	6/29/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.8
SW-2	6/29/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	39.8
SW-3	6/29/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	44.2
SW-4	6/29/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	51.1
SW-5	6/29/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	47.3
SW-6	6/29/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	54.5
SW-7	6/29/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	75.8
SW-8	6/29/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.8
SW-9	6/29/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	207
SW-10	6/29/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	56.6
SW-11	6/29/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	56.4
SW-12	6/29/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.6
Regulatory Criteria^A			1,000 mg/kg			1,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources

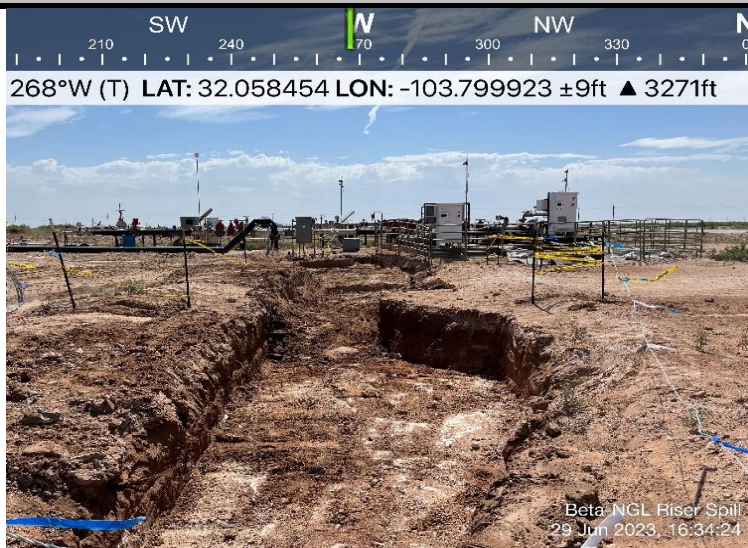
Photograph No. 1

Facility: Beta to NGL Riser

County: Eddy County, New Mexico

Description:

View West, area of CS-1 through CS-6.



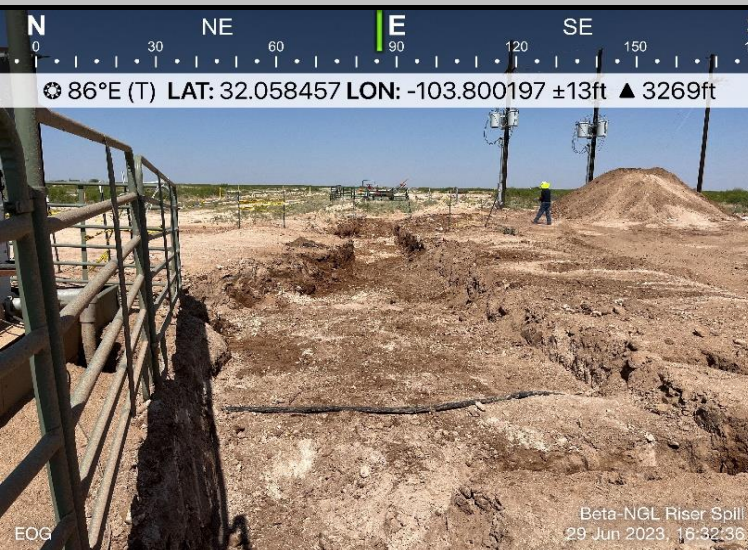
Photograph No. 2

Facility: Beta to NGL Riser

County: Eddy County, New Mexico

Description:

View East, area of CS-1 through CS-6.



Photograph No. 3

Facility: Beta to NGL Riser

County: Eddy County, New Mexico

Description:

View East, area of CS-1 through CS-2.



PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 4

Facility: Beta to NGL Riser

County: Eddy County, New Mexico

Description:
View East, area of CS-3 through CS-6.



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	nAPP2314436782
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2314436782
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.058398° Longitude -103.800220°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Beta to NGL Riser	Site Type WGS Pipeline Riser
Date Release Discovered 5/9/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
G	8	26S	31E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 50	Volume Recovered (bbls) 30
	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: The pump seal and bearings failed at the Beta to NGL WGS Pipeline Riser causing produced water to be released around the pump and in the ROW. This resulted in a release of approximately 50 bbls of produced water with 30 bbls recovered.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? 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, email notification to the OCD Enviro Inbox on 5/9/23.	

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: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>5/24/23</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/24/2023</u>

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 220113

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 220113
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	5/24/2023

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: Todd Wells Date: 11/9/23

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/13/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: 11/9/23

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/13/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Enviro, OCD, EMNRD
Sent: Tuesday, June 27, 2023 11:52 AM
To: Mike Carmona
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] EOG Beta to NGL Riser - Sampling Notification - Incident No. nAPP2314436782

Mike,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Monday, June 26, 2023 12:08 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Conner Moehring <Cmoehring@carmonaresources.com>; Todd Wells <Todd_Wells@eogresources.com>; James Kennedy <James_Kennedy@eogresources.com>; Miranda Milwee <MilweeM@carmonaresources.com>
Subject: [EXTERNAL] EOG Beta to NGL Riser - Sampling Notification - Incident No. nAPP2314436782

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

All,

This email serves as a notification for confirmation sampling on the EOG Beta to NGL Riser release. Sampling is scheduled to begin on Wednesday, June 28th, around 2:30 p.m. Mountain Time and continue through the week. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. nAPP2314436782

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water well

EOG Resources

Legend

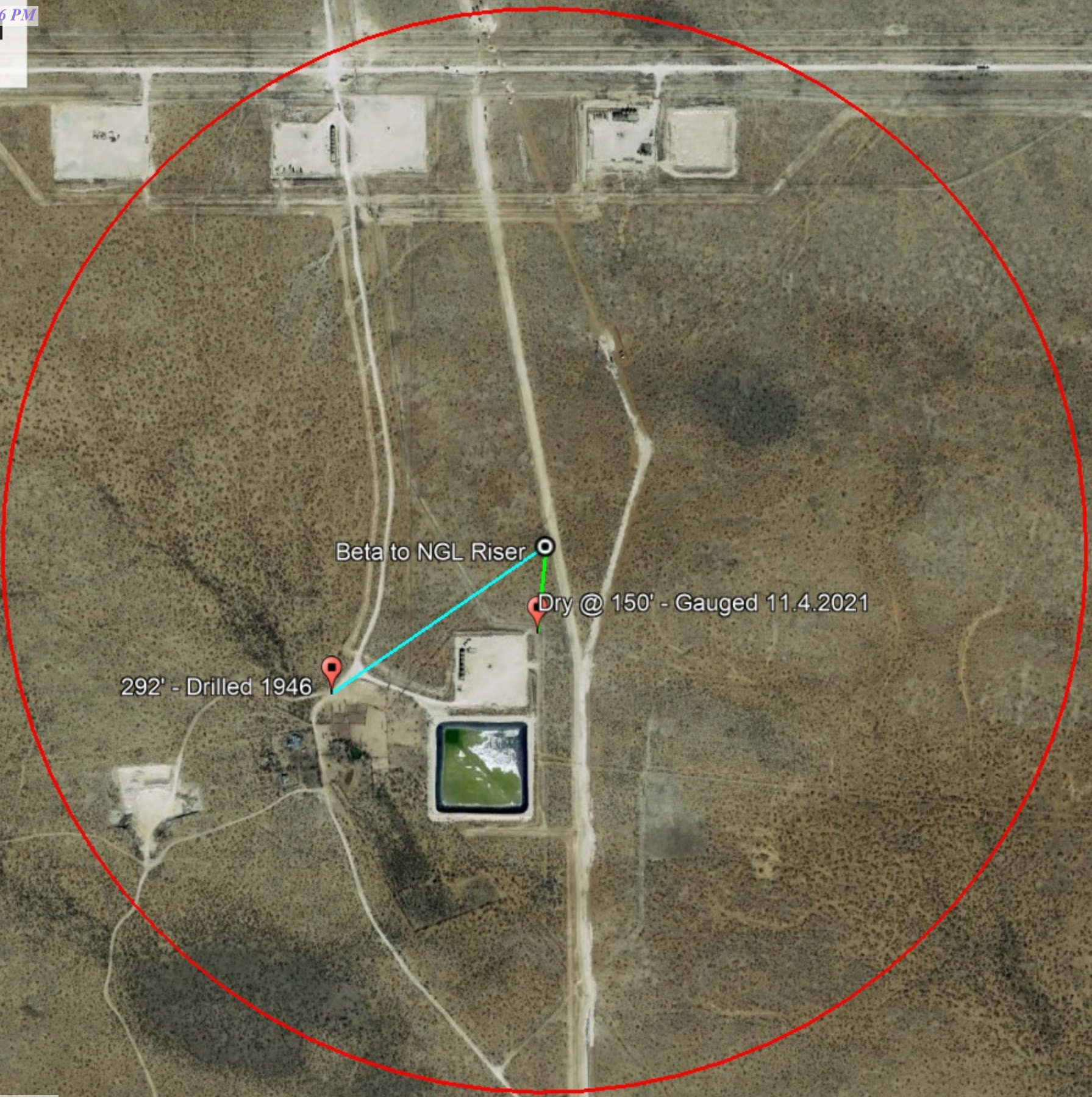
 0.08 Miles

 0.24 Miles

 0.50 Mile Radius

 Beta to NGL Riser

 NMSEO Water Well



Medium Karst

EOG Resources

Legend

- Beta to NGL Riser
- Low
- Medium

Beta to NGL Riser



2 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01777	C		ED				08	26S	31E	613245	3547409*	129	325	300	25
C 02248	CUB		ED	1	2	3	08	26S	31E	612942	3547316*	385	300	292	8
C 02249	CUB		ED	1	2	3	08	26S	31E	612942	3547316*	385	300	292	8
C 04693 POD1	CUB		ED	3	4	2	13	26S	30E	610617	3545930	3090			

Average Depth to Water: **294 feet**

Minimum Depth: **292 feet**

Maximum Depth: **300 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 613257

Northing (Y): 3547538

Radius: 4000

*UTM location was derived from PLSS - see Help

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

6/1/23 9:33 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y				
C	01777				08	26S	31E	613245	3547409*				
x													
Driller License:		208		Driller Company:			VAN NOY, W.L.						
Driller Name:		VAN NOY, W.L.											
Drill Start Date:		09/09/1977		Drill Finish Date:			09/16/1977		Plug Date:				
Log File Date:		09/28/1977		PCW Rcv Date:					Source:		Shallow		
Pump Type:				Pipe Discharge Size:					Estimated Yield:				
Casing Size:		6.63		Depth Well:			325 feet		Depth Water:		300 feet		
x													
Water Bearing Stratifications:				Top	Bottom	Description							
				300	325	Sandstone/Gravel/Conglomerate							
x													
Casing Perforations:				Top	Bottom								
				295	325								
x													

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

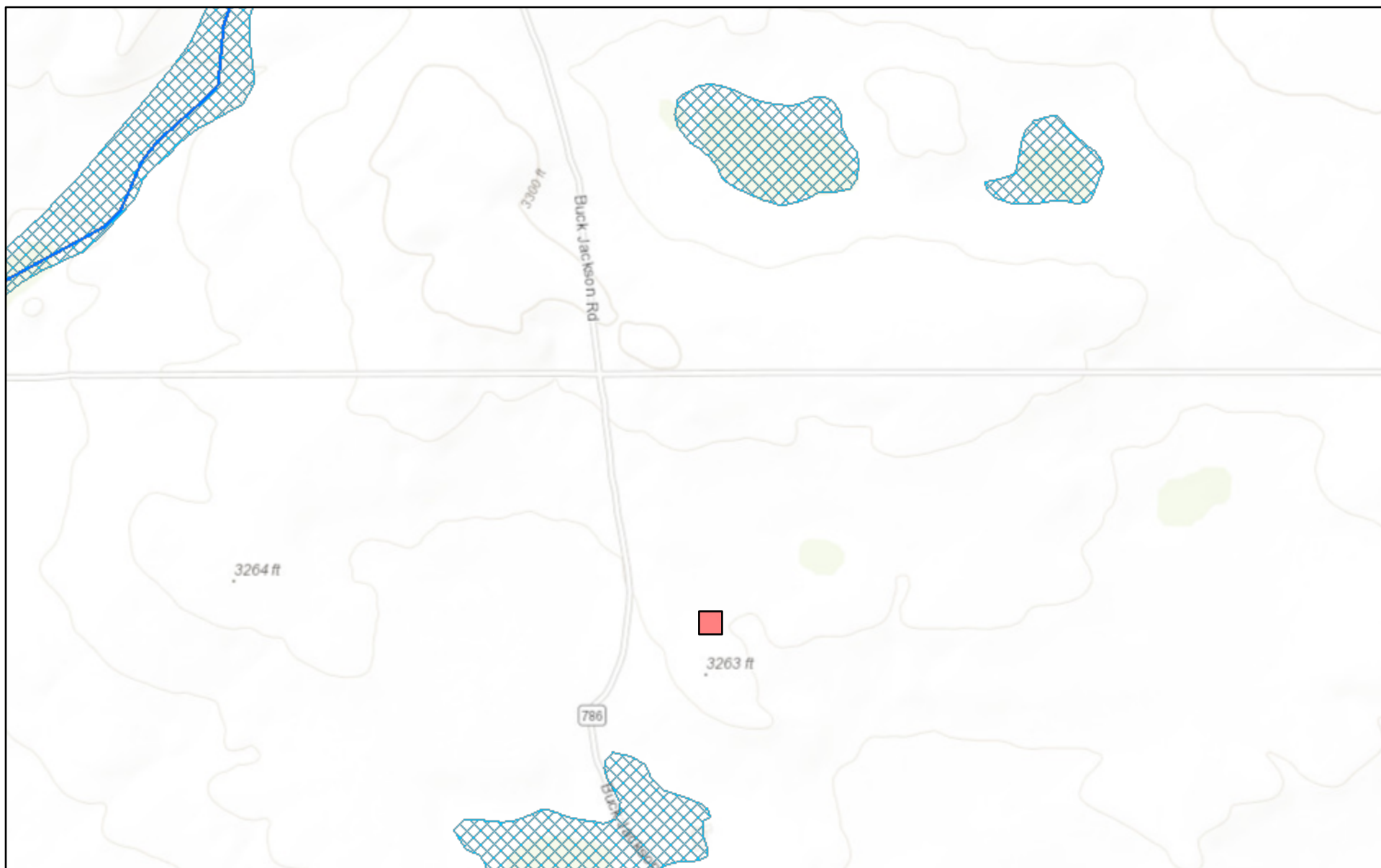
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng		
C	02248	1	2	3	08	26S	31E	612942	3547316* 
X									
Driller License:		Driller Company:							
Driller Name:		UNKNOWN							
Drill Start Date:		Drill Finish Date:				12/31/1946		Plug Date:	
Log File Date:		PCW Rev Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 6 GPM			
Casing Size: 6.38		Depth Well:				300 feet		Depth Water: 292 feet	

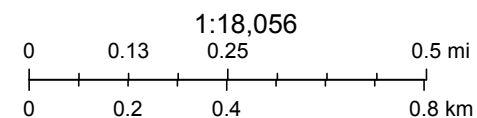
*UTM location was derived from PLSS - see Help

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

New Mexico NFHL Data



June 1, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2023 8:50:36 AM

JOB DESCRIPTION

Beta-NGL Riser Spill
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-28862-1

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
6/1/2023 8:50:36 AM

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

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Laboratory Job ID: 880-28862-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Job ID: 880-28862-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-28862-1
-----------	------------------------------

Receipt

The samples were received on 5/26/2023 1:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1.0') (880-28862-1), S-1 (1.5') (880-28862-2), S-1 (2.0') (880-28862-3), S-1 (3.0') (880-28862-4), S-2 (0-1.0') (880-28862-5), S-2 (1.5') (880-28862-6), S-2 (2.0') (880-28862-7), S-2 (3.0') (880-28862-8), S-3 (0-1.0') (880-28862-9) and S-3 (1.5') (880-28862-10).

GC VOA

Method 8021B: The CCV was biased low for ethylbenzene, toluene, o-xylene, and m,p-xylenes. Another CCV was analyzed and acceptable within the method specified 12 hour window; therefore, the data was qualified and reported. (CCV 880-54444/33)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54428 and analytical batch 880-54444 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.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-54292/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54273 and 880-54273 and analytical batch 880-54397 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: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1.0')

Lab Sample ID: 880-28862-1

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 04:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	06/01/23 04:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	06/01/23 04:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	06/01/23 04:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	06/01/23 04:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	06/01/23 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/30/23 15:51	06/01/23 04:52	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/30/23 15:51	06/01/23 04:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 16:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 16:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	05/26/23 17:40	05/28/23 16:41	1
o-Terphenyl	111		70 - 130	05/26/23 17:40	05/28/23 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		25.0		mg/Kg			05/30/23 23:04	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28862-2

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 05:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 05:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 05:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	06/01/23 05:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 05:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	06/01/23 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/30/23 15:51	06/01/23 05:12	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/30/23 15:51	06/01/23 05:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28862-2

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 15:43	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		05/26/23 17:40	05/28/23 17:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 17:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/26/23 17:40	05/28/23 17:05	1
o-Terphenyl	124		70 - 130				05/26/23 17:40	05/28/23 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3280		25.0		mg/Kg			05/30/23 23:09	5

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-28862-3

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:42	05/31/23 17:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:42	05/31/23 17:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:42	05/31/23 17:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 15:42	05/31/23 17:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:42	05/31/23 17:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 15:42	05/31/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				05/30/23 15:42	05/31/23 17:35	1
1,4-Difluorobenzene (Surr)	74		70 - 130				05/30/23 15:42	05/31/23 17:35	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			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 17:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-28862-3

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/26/23 17:40	05/28/23 17:29	1
o-Terphenyl	117		70 - 130				05/26/23 17:40	05/28/23 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	720		5.01		mg/Kg			05/30/23 23:15	1

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-28862-4

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:42	05/31/23 17:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 17:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 17:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/30/23 15:42	05/31/23 17:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 17:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/30/23 15:42	05/31/23 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/30/23 15:42	05/31/23 17:55	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/30/23 15:42	05/31/23 17:55	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			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 17:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 17:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/26/23 17:40	05/28/23 17:52	1
o-Terphenyl	117		70 - 130				05/26/23 17:40	05/28/23 17:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.04		mg/Kg			05/30/23 23:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-28862-5

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:42	05/31/23 18:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:42	05/31/23 18:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:42	05/31/23 18:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 15:42	05/31/23 18:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:42	05/31/23 18:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 15:42	05/31/23 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	05/30/23 15:42	05/31/23 18:16	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/30/23 15:42	05/31/23 18:16	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			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 18:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 18:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/26/23 17:40	05/28/23 18:16	1
o-Terphenyl	113		70 - 130	05/26/23 17:40	05/28/23 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1750	F1	24.9		mg/Kg			05/30/23 23:25	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28862-6

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:42	05/31/23 18:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 18:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 18:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/30/23 15:42	05/31/23 18:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 18:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/30/23 15:42	05/31/23 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/30/23 15:42	05/31/23 18:36	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/30/23 15:42	05/31/23 18:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28862-6

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 18:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 18:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/26/23 17:40	05/28/23 18:39	1
o-Terphenyl	114		70 - 130				05/26/23 17:40	05/28/23 18:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		25.1		mg/Kg			05/30/23 23:41	5

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-28862-7

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:42	05/31/23 18:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 18:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 18:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 18:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 18:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				05/30/23 15:42	05/31/23 18:57	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/30/23 15:42	05/31/23 18:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 15:43	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		05/26/23 17:40	05/28/23 19:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 19:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-28862-7

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/26/23 17:40	05/28/23 19:03	1
o-Terphenyl	120		70 - 130				05/26/23 17:40	05/28/23 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4090		24.8		mg/Kg			05/30/23 23:47	5

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-28862-8

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/30/23 15:42	05/31/23 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/30/23 15:42	05/31/23 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/30/23 15:42	05/31/23 19:18	1
1,4-Difluorobenzene (Surr)	117		70 - 130				05/30/23 15:42	05/31/23 19:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 19:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 19:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/26/23 17:40	05/28/23 19:26	1
o-Terphenyl	122		70 - 130				05/26/23 17:40	05/28/23 19:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		24.8		mg/Kg			05/31/23 00:03	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-1.0')

Lab Sample ID: 880-28862-9

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/30/23 15:42	05/31/23 19:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/30/23 15:42	05/31/23 19:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/30/23 15:42	05/31/23 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/30/23 15:42	05/31/23 19:38	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/30/23 15:42	05/31/23 19:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 19:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/26/23 17:40	05/28/23 19:50	1
o-Terphenyl	125		70 - 130	05/26/23 17:40	05/28/23 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13000		100		mg/Kg			05/31/23 00:08	20

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28862-10

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:42	05/31/23 19:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:42	05/31/23 19:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:42	05/31/23 19:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 15:42	05/31/23 19:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:42	05/31/23 19:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 15:42	05/31/23 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/30/23 15:42	05/31/23 19:59	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/30/23 15:42	05/31/23 19:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28862-10

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/26/23 17:40	05/28/23 20:14	1
o-Terphenyl	114		70 - 130				05/26/23 17:40	05/28/23 20:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7220		50.4		mg/Kg			05/31/23 00:14	10

Surrogate Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
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)				
880-28852-A-4-C MS	Matrix Spike	76	118				
880-28852-A-4-D MSD	Matrix Spike Duplicate	84	115				
880-28862-1	S-1 (0-1.0')	101	99				
880-28862-2	S-1 (1.5')	111	109				
880-28862-3	S-1 (2.0')	100	74				
880-28862-4	S-1 (3.0')	93	107				
880-28862-5	S-2 (0-1.0')	83	98				
880-28862-6	S-2 (1.5')	90	88				
880-28862-7	S-2 (2.0')	79	83				
880-28862-8	S-2 (3.0')	120	117				
880-28862-9	S-3 (0-1.0')	88	79				
880-28862-10	S-3 (1.5')	82	88				
890-4727-A-1-C MS	Matrix Spike	77	114				
890-4727-A-1-D MSD	Matrix Spike Duplicate	78	117				
LCS 880-54425/1-A	Lab Control Sample	105	109				
LCS 880-54428/1-A	Lab Control Sample	82	115				
LCSD 880-54425/2-A	Lab Control Sample Dup	80	103				
LCSD 880-54428/2-A	Lab Control Sample Dup	105	111				
MB 880-54425/5-A	Method Blank	83	102				
MB 880-54428/5-A	Method Blank	79	103				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-28859-A-18-C MS	Matrix Spike	109	115				
880-28859-A-18-D MSD	Matrix Spike Duplicate	100	116				
880-28862-1	S-1 (0-1.0')	92	111				
880-28862-2	S-1 (1.5')	107	124				
880-28862-3	S-1 (2.0')	92	117				
880-28862-4	S-1 (3.0')	93	117				
880-28862-5	S-2 (0-1.0')	101	113				
880-28862-6	S-2 (1.5')	90	114				
880-28862-7	S-2 (2.0')	97	120				
880-28862-8	S-2 (3.0')	97	122				
880-28862-9	S-3 (0-1.0')	108	125				
880-28862-10	S-3 (1.5')	93	114				
LCS 880-54292/2-A	Lab Control Sample	106	129				
LCSD 880-54292/3-A	Lab Control Sample Dup	107	133 S1+				
MB 880-54292/1-A	Method Blank	93	110				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54425/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	05/30/23 15:42	05/31/23 10:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/30/23 15:42	05/31/23 10:53	1

Lab Sample ID: LCS 880-54425/1-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1214		mg/Kg		121	70 - 130
Toluene	0.100	0.1033		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2092		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130

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

Lab Sample ID: LCSD 880-54425/2-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54425

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1150		mg/Kg		115	70 - 130	5	35
Toluene	0.100	0.09590		mg/Kg		96	70 - 130	7	35
Ethylbenzene	0.100	0.08406		mg/Kg		84	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1605		mg/Kg		80	70 - 130	26	35
o-Xylene	0.100	0.08018		mg/Kg		80	70 - 130	27	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-4727-A-1-C MS

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.101	0.1191		mg/Kg		118	70 - 130
Toluene	<0.00201	U	0.101	0.08660		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-4727-A-1-C MS

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.07426		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1401	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.06999	F1	mg/Kg		69	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	77		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 890-4727-A-1-D MSD

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54425

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.1354	F1	mg/Kg		136	70 - 130	13	35
Toluene	<0.00201	U	0.0996	0.09706		mg/Kg		97	70 - 130	11	35
Ethylbenzene	<0.00201	U	0.0996	0.08180		mg/Kg		82	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1539		mg/Kg		77	70 - 130	9	35
o-Xylene	<0.00201	U F1	0.0996	0.07647		mg/Kg		77	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: MB 880-54428/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	05/30/23 15:51	05/31/23 22:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/30/23 15:51	05/31/23 22:42	1

Lab Sample ID: LCS 880-54428/1-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.09418		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08057		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1568		mg/Kg		78	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-54428/1-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.07851		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-54428/2-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	6	35
Toluene	0.100	0.09515		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.09010		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130	18	35
o-Xylene	0.100	0.09428		mg/Kg		94	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-28852-A-4-C MS

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1230		mg/Kg		122	70 - 130
Toluene	<0.00199	U	0.101	0.08215		mg/Kg		81	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.06967	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1305	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.06536	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-28852-A-4-D MSD

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1182		mg/Kg		118	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.08174		mg/Kg		82	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.07111		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1343	F1	mg/Kg		67	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.100	0.06799	F1	mg/Kg		68	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28852-A-4-D MSD

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54428

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

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

Lab Sample ID: MB 880-54292/1-A

Matrix: Solid

Analysis Batch: 54326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54292

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 09:00	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 09:00	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 09:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	93		70 - 130				05/26/23 17:40	05/28/23 09:00	1	
o-Terphenyl	110		70 - 130				05/26/23 17:40	05/28/23 09:00	1	

Lab Sample ID: LCS 880-54292/2-A

Matrix: Solid

Analysis Batch: 54326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54292

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	1101		mg/Kg		110	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	106		70 - 130							
o-Terphenyl	129		70 - 130							

Lab Sample ID: LCSD 880-54292/3-A

Matrix: Solid

Analysis Batch: 54326

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54292

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1177		mg/Kg		118	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	1000	1119		mg/Kg		112	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	107		70 - 130							
o-Terphenyl	133	S1+	70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28859-A-18-C MS

Matrix: Solid

Analysis Batch: 54326

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	937.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	992.8		mg/Kg		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: 880-28859-A-18-D MSD

Matrix: Solid

Analysis Batch: 54326

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1092		mg/Kg		107	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	970.4		mg/Kg		94	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54273/1-A

Matrix: Solid

Analysis Batch: 54397

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			05/30/23 21:55	1

Lab Sample ID: LCS 880-54273/2-A

Matrix: Solid

Analysis Batch: 54397

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-54273/3-A

Matrix: Solid

Analysis Batch: 54397

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.6		mg/Kg		104	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28862-5 MS											Client Sample ID: S-2 (0-1.0')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 54397													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	1750	F1	1250	2819	F1	mg/Kg		86	90 - 110				

Lab Sample ID: 880-28862-5 MSD											Client Sample ID: S-2 (0-1.0')		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 54397													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit	
Chloride	1750	F1	1250	2820	F1	mg/Kg		86	90 - 110		0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 54425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-3	S-1 (2.0')	Total/NA	Solid	5035	
880-28862-4	S-1 (3.0')	Total/NA	Solid	5035	
880-28862-5	S-2 (0-1.0')	Total/NA	Solid	5035	
880-28862-6	S-2 (1.5')	Total/NA	Solid	5035	
880-28862-7	S-2 (2.0')	Total/NA	Solid	5035	
880-28862-8	S-2 (3.0')	Total/NA	Solid	5035	
880-28862-9	S-3 (0-1.0')	Total/NA	Solid	5035	
880-28862-10	S-3 (1.5')	Total/NA	Solid	5035	
MB 880-54425/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54425/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54425/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4727-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4727-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-28862-2	S-1 (1.5')	Total/NA	Solid	5035	
MB 880-54428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	5035	
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Total/NA	Solid	8021B	54428
880-28862-2	S-1 (1.5')	Total/NA	Solid	8021B	54428
880-28862-3	S-1 (2.0')	Total/NA	Solid	8021B	54425
880-28862-4	S-1 (3.0')	Total/NA	Solid	8021B	54425
880-28862-5	S-2 (0-1.0')	Total/NA	Solid	8021B	54425
880-28862-6	S-2 (1.5')	Total/NA	Solid	8021B	54425
880-28862-7	S-2 (2.0')	Total/NA	Solid	8021B	54425
880-28862-8	S-2 (3.0')	Total/NA	Solid	8021B	54425
880-28862-9	S-3 (0-1.0')	Total/NA	Solid	8021B	54425
880-28862-10	S-3 (1.5')	Total/NA	Solid	8021B	54425
MB 880-54425/5-A	Method Blank	Total/NA	Solid	8021B	54425
MB 880-54428/5-A	Method Blank	Total/NA	Solid	8021B	54428
LCS 880-54425/1-A	Lab Control Sample	Total/NA	Solid	8021B	54425
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	8021B	54428
LCSD 880-54425/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54425
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54428
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	8021B	54428
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54428
890-4727-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	54425
890-4727-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54425

Analysis Batch: 54550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28862-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 54550 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-28862-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-28862-5	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28862-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28862-7	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-28862-8	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-28862-9	S-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28862-10	S-3 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28862-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28862-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-28862-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-28862-5	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28862-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28862-7	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-28862-8	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-28862-9	S-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28862-10	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-54292/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54292/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28859-A-18-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28859-A-18-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	54292
880-28862-2	S-1 (1.5')	Total/NA	Solid	8015B NM	54292
880-28862-3	S-1 (2.0')	Total/NA	Solid	8015B NM	54292
880-28862-4	S-1 (3.0')	Total/NA	Solid	8015B NM	54292
880-28862-5	S-2 (0-1.0')	Total/NA	Solid	8015B NM	54292
880-28862-6	S-2 (1.5')	Total/NA	Solid	8015B NM	54292
880-28862-7	S-2 (2.0')	Total/NA	Solid	8015B NM	54292
880-28862-8	S-2 (3.0')	Total/NA	Solid	8015B NM	54292
880-28862-9	S-3 (0-1.0')	Total/NA	Solid	8015B NM	54292
880-28862-10	S-3 (1.5')	Total/NA	Solid	8015B NM	54292
MB 880-54292/1-A	Method Blank	Total/NA	Solid	8015B NM	54292
LCS 880-54292/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54292
LCSD 880-54292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54292
880-28859-A-18-C MS	Matrix Spike	Total/NA	Solid	8015B NM	54292
880-28859-A-18-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54292

Analysis Batch: 54427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-28862-2	S-1 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54427 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-28862-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-28862-5	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-28862-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-28862-7	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-28862-8	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-28862-9	S-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-28862-10	S-3 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-28862-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-28862-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-28862-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-28862-5	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-28862-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28862-7	S-2 (2.0')	Soluble	Solid	DI Leach	
880-28862-8	S-2 (3.0')	Soluble	Solid	DI Leach	
880-28862-9	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-28862-10	S-3 (1.5')	Soluble	Solid	DI Leach	
MB 880-54273/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54273/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54273/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28862-5 MS	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-28862-5 MSD	S-2 (0-1.0')	Soluble	Solid	DI Leach	

Analysis Batch: 54397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28862-1	S-1 (0-1.0')	Soluble	Solid	300.0	54273
880-28862-2	S-1 (1.5')	Soluble	Solid	300.0	54273
880-28862-3	S-1 (2.0')	Soluble	Solid	300.0	54273
880-28862-4	S-1 (3.0')	Soluble	Solid	300.0	54273
880-28862-5	S-2 (0-1.0')	Soluble	Solid	300.0	54273
880-28862-6	S-2 (1.5')	Soluble	Solid	300.0	54273
880-28862-7	S-2 (2.0')	Soluble	Solid	300.0	54273
880-28862-8	S-2 (3.0')	Soluble	Solid	300.0	54273
880-28862-9	S-3 (0-1.0')	Soluble	Solid	300.0	54273
880-28862-10	S-3 (1.5')	Soluble	Solid	300.0	54273
MB 880-54273/1-A	Method Blank	Soluble	Solid	300.0	54273
LCS 880-54273/2-A	Lab Control Sample	Soluble	Solid	300.0	54273
LCSD 880-54273/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54273
880-28862-5 MS	S-2 (0-1.0')	Soluble	Solid	300.0	54273
880-28862-5 MSD	S-2 (0-1.0')	Soluble	Solid	300.0	54273

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-1
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			5.00 g	5 mL	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 04:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 16:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54397	05/30/23 23:04	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-2
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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 05:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 17:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54397	05/30/23 23:09	CH	EET MID

Client Sample ID: S-1 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-3
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	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 17:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54397	05/30/23 23:15	CH	EET MID

Client Sample ID: S-1 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 17:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 17:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54397	05/30/23 23:20	CH	EET MID

Client Sample ID: S-2 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 18:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54397	05/30/23 23:25	CH	EET MID

Client Sample ID: S-2 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 18:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 18:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54397	05/30/23 23:41	CH	EET MID

Client Sample ID: S-2 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28862-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 19:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-28862-7

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54397	05/30/23 23:47	CH	EET MID

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-28862-8

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 19:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54397	05/31/23 00:03	CH	EET MID

Client Sample ID: S-3 (0-1.0')

Lab Sample ID: 880-28862-9

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 19:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	54397	05/31/23 00:08	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28862-10

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54425	05/30/23 15:42	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	05/31/23 19:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54550	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54427	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 20:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	54397	05/31/23 00:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28862-1
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: Beta-NGL Riser Spill

Job ID: 880-28862-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28862-1	S-1 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-2	S-1 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-3	S-1 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-4	S-1 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-5	S-2 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-6	S-2 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-7	S-2 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-8	S-2 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-9	S-3 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28862-10	S-3 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments									
Program:	UST/PST	☐ PRP	☐ Brownfields	☐ IRC	☐ Superfund	☐	☐	☐	☐
State of Project:									
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP	☐ Level IV	☐	☐	☐	☐	☐
Deliverables	EDD	☐	Adapt	☐	Other				

Project Name	Beta-NGL Riser Spill		Turn Around	
Project Number	2042		☐ Routine	☒ Rush
Project Location	Eddy County, New Mexico		Due Date	72 Hours
Sampler's Name	FV			
PO #:				
SAMPLE RECEIPT				
Received Inact.	Temp Blank	Yes ☒ No ☐	Thermometer ID	Yes ☒ No ☐
Cooler Custody Seals.	Yes ☐ No ☒	Correction Factor	Temperature Reading	<i>172</i>
Sample Custody Seals	Yes ☐ No ☒	Corrected Temperature		<i>1.4</i>
Total Containers				<i>1.1</i>

ANALYSIS REQUEST							Preservative Codes
Pres. Code							
Parameters	BTEX 8021B	H 8015M (GRO + DRO + MRO)	Chloride 300.0				None NO Cool Cool MeOH Me HCL HC HNO ₃ HN H ₂ S0 ₄ H ₂ NaOH Na H ₆ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC

[illegible]

Comments Email to Mike Carmora / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Commer Moehring / Cmoehring@carmonaresources.com			
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26-1:04pm		



880-28862 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28862-1

SDG Number: Eddy County, New Mexico

Login Number: 28862

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/1/2023 8:49:57 AM

JOB DESCRIPTION

Beta-NGL Riser Spill
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-28861-1

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
6/1/2023 8:49:57 AM

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

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Laboratory Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	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: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

Job ID: 880-28861-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-28861-1****Receipt**

The samples were received on 5/26/2023 1:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-28861-1), H-2 (0-0.5') (880-28861-2), H-3 (0-0.5') (880-28861-3) and H-4 (0-0.5') (880-28861-4).

GC VOA

Method 8021B: The CCV was biased low for ethylbenzene, toluene, o-xylene, and m,p-xylenes. Another CCV was analyzed and acceptable within the method specified 12 hour window; therefore, the data was qualified and reported. (CCV 880-54444/33)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54428 and analytical batch 880-54444 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.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54278 and analytical batch 880-54321 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 880-54430 and analytical batch 880-54330 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4744-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54430 and analytical batch 880-54330 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.

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 880-54273 and analytical batch 880-54397 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: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28861-1

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 03:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 03:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 03:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	06/01/23 03:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 03:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	06/01/23 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	05/30/23 15:51	06/01/23 03:30	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/30/23 15:51	06/01/23 03:30	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			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 09:23	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	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 19:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 19:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	05/26/23 17:20	05/28/23 19:14	1
o-Terphenyl	75		70 - 130	05/26/23 17:20	05/28/23 19:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		5.02		mg/Kg			05/30/23 22:32	1

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

Lab Sample ID: 880-28861-2

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 03:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/30/23 15:51	06/01/23 03:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/30/23 15:51	06/01/23 03:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/30/23 15:51	06/01/23 03:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/30/23 15:51	06/01/23 03:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/30/23 15:51	06/01/23 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/30/23 15:51	06/01/23 03:50	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/30/23 15:51	06/01/23 03:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28861-2

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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			06/01/23 09:26	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			05/30/23 09:23	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		05/26/23 17:20	05/28/23 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				05/26/23 17:20	05/28/23 19:36	1
o-Terphenyl	70		70 - 130				05/26/23 17:20	05/28/23 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.03		mg/Kg			05/30/23 22:37	1

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

Lab Sample ID: 880-28861-3

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 04:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:51	06/01/23 04:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:51	06/01/23 04:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 15:51	06/01/23 04:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 15:51	06/01/23 04:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 15:51	06/01/23 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/30/23 15:51	06/01/23 04:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/30/23 15:51	06/01/23 04:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 09:23	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	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 19:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 19:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28861-3

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:20	05/28/23 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/26/23 17:20	05/28/23 19:58	1
o-Terphenyl	80		70 - 130				05/26/23 17:20	05/28/23 19:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		4.98		mg/Kg			05/30/23 22:43	1

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

Lab Sample ID: 880-28861-4

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 04:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	06/01/23 04:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	06/01/23 04:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/30/23 15:51	06/01/23 04:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	06/01/23 04:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/30/23 15:51	06/01/23 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/30/23 15:51	06/01/23 04:31	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/30/23 15:51	06/01/23 04:31	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			06/01/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/31/23 13:03	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		05/30/23 16:10	05/30/23 21:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/30/23 16:10	05/30/23 21:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/30/23 16:10	05/30/23 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/30/23 16:10	05/30/23 21:14	1
o-Terphenyl	118		70 - 130				05/30/23 16:10	05/30/23 21:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		4.99		mg/Kg			05/30/23 22:59	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
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)
880-28852-A-4-C MS	Matrix Spike	76	118
880-28852-A-4-D MSD	Matrix Spike Duplicate	84	115
880-28861-1	H-1 (0-0.5')	76	85
880-28861-2	H-2 (0-0.5')	93	104
880-28861-3	H-3 (0-0.5')	108	99
880-28861-4	H-4 (0-0.5')	108	99
LCS 880-54428/1-A	Lab Control Sample	82	115
LCSD 880-54428/2-A	Lab Control Sample Dup	105	111
MB 880-54425/5-A	Method Blank	83	102
MB 880-54428/5-A	Method Blank	79	103
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28857-A-1-C MS	Matrix Spike	91	81
880-28857-A-1-D MSD	Matrix Spike Duplicate	98	85
880-28861-1	H-1 (0-0.5')	79	75
880-28861-2	H-2 (0-0.5')	72	70
880-28861-3	H-3 (0-0.5')	86	80
880-28861-4	H-4 (0-0.5')	109	118
890-4744-A-1-D MS	Matrix Spike	115	114
890-4744-A-1-E MSD	Matrix Spike Duplicate	118	118
LCS 880-54278/2-A	Lab Control Sample	99	91
LCS 880-54430/2-A	Lab Control Sample	74	83
LCSD 880-54278/3-A	Lab Control Sample Dup	101	95
LCSD 880-54430/3-A	Lab Control Sample Dup	80	90
MB 880-54278/1-A	Method Blank	91	90
MB 880-54430/1-A	Method Blank	118	132 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54425/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	05/30/23 15:42	05/31/23 10:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/30/23 15:42	05/31/23 10:53	1

Lab Sample ID: MB 880-54428/5-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	05/30/23 15:51	05/31/23 22:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/30/23 15:51	05/31/23 22:42	1

Lab Sample ID: LCS 880-54428/1-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.09418		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08057		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1568		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07851		mg/Kg		79	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-54428/2-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-54428/2-A

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09515		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.09010		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130	18	35
o-Xylene	0.100	0.09428		mg/Kg		94	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-28852-A-4-C MS

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1230		mg/Kg		122	70 - 130
Toluene	<0.00199	U	0.101	0.08215		mg/Kg		81	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.06967	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1305	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.06536	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: 880-28852-A-4-D MSD

Matrix: Solid

Analysis Batch: 54444

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1182		mg/Kg		118	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.08174		mg/Kg		82	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.07111		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1343	F1	mg/Kg		67	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.100	0.06799	F1	mg/Kg		68	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

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

Lab Sample ID: MB 880-54278/1-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54278

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		05/26/23 17:20	05/28/23 09:01	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-54278/1-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 09:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 09:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/26/23 17:20	05/28/23 09:01	1
o-Terphenyl	90		70 - 130				05/26/23 17:20	05/28/23 09:01	1

Lab Sample ID: LCS 880-54278/2-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.0		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.9		mg/Kg		84	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	99		70 - 130				
o-Terphenyl	91		70 - 130				

Lab Sample ID: LCSD 880-54278/3-A

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	851.4		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	887.0		mg/Kg		89	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-28857-A-1-C MS

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	564.0	F1	mg/Kg		57	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	743.0		mg/Kg		71	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	81		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28857-A-1-D MSD

Matrix: Solid

Analysis Batch: 54321

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	603.3	F1	mg/Kg		61	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	799.1		mg/Kg		76	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: MB 880-54430/1-A

Matrix: Solid

Analysis Batch: 54330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54430

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		05/30/23 16:10	05/30/23 17:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/30/23 16:10	05/30/23 17:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/30/23 16:10	05/30/23 17:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				05/30/23 16:10	05/30/23 17:37	1
o-Terphenyl	132	S1+	70 - 130				05/30/23 16:10	05/30/23 17:37	1

Lab Sample ID: LCS 880-54430/2-A

Matrix: Solid

Analysis Batch: 54330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	871.3		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	764.2		mg/Kg		76	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	74		70 - 130						
o-Terphenyl	83		70 - 130						

Lab Sample ID: LCSD 880-54430/3-A

Matrix: Solid

Analysis Batch: 54330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54430

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	971.6		mg/Kg		97	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	840.7		mg/Kg		84	70 - 130	10	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-54430/3-A

Matrix: Solid

Analysis Batch: 54330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54430

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-4744-A-1-D MS

Matrix: Solid

Analysis Batch: 54330

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54430

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1117		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)	500	F1	998	1081	F1	mg/Kg		58	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	115		70 - 130							
o-Terphenyl	114		70 - 130							

Lab Sample ID: 890-4744-A-1-E MSD

Matrix: Solid

Analysis Batch: 54330

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54430

	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	999	1153		mg/Kg		112	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	500	F1	999	1101	F1	mg/Kg		60	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	118		70 - 130									
o-Terphenyl	118		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54273/1-A

Matrix: Solid

Analysis Batch: 54397

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			05/30/23 21:55	1	

Lab Sample ID: LCS 880-54273/2-A

Matrix: Solid

Analysis Batch: 54397

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	260.8		mg/Kg		104	90 - 110			

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-54273/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 54397											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	260.6		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-28841-A-1-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 54397											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5420	F1	2480	7529	F1	mg/Kg		85	90 - 110		

Lab Sample ID: 880-28841-A-1-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 54397											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5420	F1	2480	7527	F1	mg/Kg		85	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 54425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54425/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 54428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-28861-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-28861-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-28861-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-54428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	5035	
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Total/NA	Solid	8021B	54428
880-28861-2	H-2 (0-0.5')	Total/NA	Solid	8021B	54428
880-28861-3	H-3 (0-0.5')	Total/NA	Solid	8021B	54428
880-28861-4	H-4 (0-0.5')	Total/NA	Solid	8021B	54428
MB 880-54425/5-A	Method Blank	Total/NA	Solid	8021B	54425
MB 880-54428/5-A	Method Blank	Total/NA	Solid	8021B	54428
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	8021B	54428
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54428
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	8021B	54428
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54428

Analysis Batch: 54552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28861-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28861-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28861-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28861-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28861-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28857-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28857-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54278
880-28861-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	54278

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QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	54278
MB 880-54278/1-A	Method Blank	Total/NA	Solid	8015B NM	54278
LCS 880-54278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54278
LCSD 880-54278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54278
880-28857-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	54278
880-28857-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54278

Analysis Batch: 54330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	54430
MB 880-54430/1-A	Method Blank	Total/NA	Solid	8015B NM	54430
LCS 880-54430/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54430
LCSD 880-54430/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54430
890-4744-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	54430
890-4744-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54430

Analysis Batch: 54358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28861-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28861-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-28861-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

Prep Batch: 54430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54430/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54430/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54430/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4744-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4744-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 54273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28861-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28861-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-28861-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54273/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54273/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54273/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28841-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28841-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 54397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-1	H-1 (0-0.5')	Soluble	Solid	300.0	54273
880-28861-2	H-2 (0-0.5')	Soluble	Solid	300.0	54273
880-28861-3	H-3 (0-0.5')	Soluble	Solid	300.0	54273

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 54397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28861-4	H-4 (0-0.5')	Soluble	Solid	300.0	54273
MB 880-54273/1-A	Method Blank	Soluble	Solid	300.0	54273
LCS 880-54273/2-A	Lab Control Sample	Soluble	Solid	300.0	54273
LCSD 880-54273/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54273
880-28841-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	54273
880-28841-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54273

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-28861-1

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54552	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54358	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 19:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54397	05/30/23 22:32	CH	EET MID

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

Lab Sample ID: 880-28861-2

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54552	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54358	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 19:36	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54397	05/30/23 22:37	CH	EET MID

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

Lab Sample ID: 880-28861-3

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54552	06/01/23 09:26	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54358	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 19:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54397	05/30/23 22:43	CH	EET MID

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

Lab Sample ID: 880-28861-4

Date Collected: 05/25/23 00:00

Matrix: Solid

Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54552	06/01/23 09:26	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28861-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54358	05/31/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54430	05/30/23 16:10	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54330	05/30/23 21:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54273	05/26/23 16:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54397	05/30/23 22:59	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: Beta-NGL Riser Spill

Job ID: 880-28861-1
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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-28861-1
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: Beta-NGL Riser Spill

Job ID: 880-28861-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28861-1	H-1 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28861-2	H-2 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28861-3	H-3 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28861-4	H-4 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04

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Work Order No: 20801

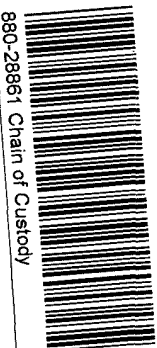
6/1/2023

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.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	Beta-NGI Riser Spill	Turn Around	☐ Routine ☒ Rush	72 Hours	Pres. Code	ANALYSIS REQUEST										Preservative Codes										
Project Number	2042															None NO DI Water H ₂ O Cool Cool MeOH Me HCL HC HNO ₃ HN H ₂ SO ₄ H ₂ NaOH Na H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC										
Project Location	Eddy County, New Mexico	Due Date																								
Sampler's Name	FV																									
PO #																										
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No																				
Received Intact:	Yes	No		Thermometer ID																						
Cooler Custody Seals	Yes	No		Correction Factor																						
Sample Custody Seals	Yes	No		Temperature Reading																						
Total Containers				Corrected Temperature																						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																				
H-1 (0-0.5')	5/25/2023		X		G	1																				
H-2 (0-0.5')	5/25/2023		X		G	1																				
H-3 (0-0.5')	5/25/2023		X		G	1																				
H-4 (0-0.5')	5/25/2023		X		G	1																				

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



880-28861 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:44pm		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28861-1

SDG Number: Eddy County, New Mexico

Login Number: 28861

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/3/2023 4:20:09 PM

JOB DESCRIPTION

Beta-NGL Riser Spill
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-30253-1

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
7/3/2023 4:20:09 PM

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

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Laboratory Job ID: 880-30253-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Job ID: 880-30253-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-30253-1****Receipt**

The samples were received on 6/30/2023 3:41 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 2.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (3.0') (880-30253-1), CS-2 (3.0') (880-30253-2), CS-3 (3.5') (880-30253-3), CS-4 (3.5') (880-30253-4), CS-5 (2.0') (880-30253-5), CS-6 (2.0') (880-30253-6), SW-1 (3.5') (880-30253-7), SW-2 (3.0') (880-30253-8), SW-3 (3.0') (880-30253-9), SW-4 (3.0') (880-30253-10), SW-5 (3.0') (880-30253-11), SW-6 (3.5') (880-30253-12), SW-7 (2.0') (880-30253-13), SW-8 (2.0') (880-30253-14), SW-9 (2.0') (880-30253-15), SW-10 (2.0') (880-30253-16), SW-11 (2.0') (880-30253-17) and SW-12 (1.5') (880-30253-18).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-1 (3.5') (880-30253-7). 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: SW-11 (2.0') (880-30253-17). 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: (MB 880-56656/5-A) and (MB 880-56730/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-56781/20) and (CCV 880-56781/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-56816/20), (CCV 880-56816/5) and (LCS 880-56820/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-56820 and analytical batch 880-56816 contained Gasoline Range Organics (GRO)-C6-C10 and Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (3.0')

Lab Sample ID: 880-30253-1

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 00:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 00:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 00:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 00:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 00:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/30/23 15:57	07/01/23 00:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/30/23 15:57	07/01/23 00:04	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			07/03/23 01:34	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			07/03/23 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		07/01/23 10:12	07/02/23 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 14:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/01/23 10:12	07/02/23 14:01	1
o-Terphenyl	118		70 - 130	07/01/23 10:12	07/02/23 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		4.96		mg/Kg			07/01/23 19:10	1

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-30253-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 00:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 00:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 00:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/23 15:57	07/01/23 00:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 00:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/23 15:57	07/01/23 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/30/23 15:57	07/01/23 00:24	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/30/23 15:57	07/01/23 00:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-30253-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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			07/03/23 01:34	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			07/03/23 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	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 15:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 15:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/01/23 10:12	07/02/23 15:07	1
o-Terphenyl	112		70 - 130				07/01/23 10:12	07/02/23 15:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.8		5.02		mg/Kg			07/01/23 19:28	1

Client Sample ID: CS-3 (3.5')

Lab Sample ID: 880-30253-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 00:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 00:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 00:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 00:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 00:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/30/23 15:57	07/01/23 00:45	1
1,4-Difluorobenzene (Surr)	87		70 - 130				06/30/23 15:57	07/01/23 00:45	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			07/03/23 01:34	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			07/03/23 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		07/01/23 10:12	07/02/23 15:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 15:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (3.5')

Lab Sample ID: 880-30253-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/01/23 10:12	07/02/23 15:30	1
o-Terphenyl	98		70 - 130				07/01/23 10:12	07/02/23 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.7		5.03		mg/Kg			07/01/23 19:34	1

Client Sample ID: CS-4 (3.5')

Lab Sample ID: 880-30253-4

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 01:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 01:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 01:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 01:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 01:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/30/23 15:57	07/01/23 01:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/30/23 15:57	07/01/23 01:05	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			07/03/23 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/23 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	<49.8	U	49.8		mg/Kg		07/01/23 10:12	07/02/23 15:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/23 10:12	07/02/23 15:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/23 10:12	07/02/23 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				07/01/23 10:12	07/02/23 15:54	1
o-Terphenyl	125		70 - 130				07/01/23 10:12	07/02/23 15:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.6		5.00		mg/Kg			07/01/23 19:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (2.0')

Lab Sample ID: 880-30253-5

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 01:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 01:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 01:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/30/23 15:57	07/01/23 01:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 01:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/30/23 15:57	07/01/23 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/30/23 15:57	07/01/23 01:26	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/30/23 15:57	07/01/23 01:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/03/23 01:34	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			07/03/23 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		07/01/23 10:12	07/02/23 16:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 16:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	07/01/23 10:12	07/02/23 16:18	1
o-Terphenyl	118		70 - 130	07/01/23 10:12	07/02/23 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		5.02		mg/Kg			07/01/23 19:46	1

Client Sample ID: CS-6 (2.0')

Lab Sample ID: 880-30253-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 01:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 01:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 01:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 01:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 01:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	06/30/23 15:57	07/01/23 01:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/30/23 15:57	07/01/23 01:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (2.0')

Lab Sample ID: 880-30253-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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			07/03/23 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/23 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	<49.8	U	49.8		mg/Kg		07/01/23 10:12	07/02/23 16:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/01/23 10:12	07/02/23 16:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/01/23 10:12	07/02/23 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/01/23 10:12	07/02/23 16:41	1
o-Terphenyl	108		70 - 130				07/01/23 10:12	07/02/23 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.6		4.98		mg/Kg			07/01/23 20:03	1

Client Sample ID: SW-1 (3.5')

Lab Sample ID: 880-30253-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 02:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 02:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 02:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 02:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 02:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				06/30/23 15:57	07/01/23 02:07	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130				06/30/23 15:57	07/01/23 02:07	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			07/03/23 01:34	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			07/03/23 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		07/01/23 10:12	07/02/23 17:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 17:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (3.5')

Lab Sample ID: 880-30253-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				07/01/23 10:12	07/02/23 17:05	1
o-Terphenyl	126		70 - 130				07/01/23 10:12	07/02/23 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.8		4.96		mg/Kg			07/01/23 20:09	1

Client Sample ID: SW-2 (3.0')

Lab Sample ID: 880-30253-8

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 02:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 02:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 02:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/23 15:57	07/01/23 02:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 02:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/23 15:57	07/01/23 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				06/30/23 15:57	07/01/23 02:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/30/23 15:57	07/01/23 02:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/03/23 01:34	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			07/03/23 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	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 17:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 17:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/01/23 10:12	07/02/23 17:29	1
o-Terphenyl	115		70 - 130				07/01/23 10:12	07/02/23 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.8		4.97		mg/Kg			07/01/23 20:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (3.0')

Lab Sample ID: 880-30253-9

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 02:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/30/23 15:57	07/01/23 02:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/30/23 15:57	07/01/23 02:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/30/23 15:57	07/01/23 02:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/30/23 15:57	07/01/23 02:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/30/23 15:57	07/01/23 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/30/23 15:57	07/01/23 02:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/30/23 15:57	07/01/23 02:48	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			07/03/23 01:34	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			07/03/23 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		07/01/23 10:12	07/02/23 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	07/01/23 10:12	07/02/23 17:51	1
o-Terphenyl	121		70 - 130	07/01/23 10:12	07/02/23 17:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.2		5.03		mg/Kg			07/01/23 20:21	1

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-30253-10

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 03:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 03:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 03:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/30/23 15:57	07/01/23 03:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 03:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/30/23 15:57	07/01/23 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/30/23 15:57	07/01/23 03:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/30/23 15:57	07/01/23 03:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-30253-10

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/03/23 01:34	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			07/03/23 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		07/01/23 10:12	07/02/23 18:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 18:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/01/23 10:12	07/02/23 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/01/23 10:12	07/02/23 18:16	1
o-Terphenyl	104		70 - 130				07/01/23 10:12	07/02/23 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		5.05		mg/Kg			07/01/23 20:26	1

Client Sample ID: SW-5 (3.0')

Lab Sample ID: 880-30253-11

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 04:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 04:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 04:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/23 15:57	07/01/23 04:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 04:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/23 15:57	07/01/23 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/30/23 15:57	07/01/23 04:33	1
1,4-Difluorobenzene (Surr)	81		70 - 130				06/30/23 15:57	07/01/23 04:33	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			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 10:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 10:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (3.0')

Lab Sample ID: 880-30253-11

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 10:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				07/03/23 08:26	07/03/23 10:59	1
o-Terphenyl	100		70 - 130				07/03/23 08:26	07/03/23 10:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.3		4.97		mg/Kg			07/01/23 20:32	1

Client Sample ID: SW-6 (3.5')

Lab Sample ID: 880-30253-12

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 04:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 04:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 04:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 04:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 04:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/30/23 15:57	07/01/23 04:53	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/30/23 15:57	07/01/23 04:53	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			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 12:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 12:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 12:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				07/03/23 08:26	07/03/23 12:05	1
o-Terphenyl	126		70 - 130				07/03/23 08:26	07/03/23 12:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.1		5.00		mg/Kg			07/01/23 20:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2.0')

Lab Sample ID: 880-30253-13

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 05:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/23 15:57	07/01/23 05:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 05:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/23 15:57	07/01/23 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/30/23 15:57	07/01/23 05:14	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/30/23 15:57	07/01/23 05:14	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			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 12:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 12:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	07/03/23 08:26	07/03/23 12:27	1
o-Terphenyl	125		70 - 130	07/03/23 08:26	07/03/23 12:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.6		5.00		mg/Kg			07/01/23 20:56	1

Client Sample ID: SW-8 (2.0')

Lab Sample ID: 880-30253-14

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 05:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 05:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 05:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 05:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 05:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/30/23 15:57	07/01/23 05:34	1
1,4-Difluorobenzene (Surr)	76		70 - 130	06/30/23 15:57	07/01/23 05:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (2.0')

Lab Sample ID: 880-30253-14

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/03/23 08:26	07/03/23 12:50	1
o-Terphenyl	114		70 - 130				07/03/23 08:26	07/03/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.2		4.98		mg/Kg			07/01/23 21:13	1

Client Sample ID: SW-9 (2.0')

Lab Sample ID: 880-30253-15

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 05:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 05:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 05:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/30/23 15:57	07/01/23 05:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/23 15:57	07/01/23 05:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/30/23 15:57	07/01/23 05:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				06/30/23 15:57	07/01/23 05:55	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/30/23 15:57	07/01/23 05:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 08:26	07/03/23 13:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (2.0')

Lab Sample ID: 880-30253-15

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 08:26	07/03/23 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/03/23 08:26	07/03/23 13:12	1
o-Terphenyl	98		70 - 130				07/03/23 08:26	07/03/23 13:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	207		4.97		mg/Kg			07/01/23 21:19	1

Client Sample ID: SW-10 (2.0')

Lab Sample ID: 880-30253-16

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 06:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 06:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 06:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 06:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/30/23 15:57	07/01/23 06:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/30/23 15:57	07/01/23 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				06/30/23 15:57	07/01/23 06:15	1
1,4-Difluorobenzene (Surr)	74		70 - 130				06/30/23 15:57	07/01/23 06:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 13:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 13:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/03/23 08:26	07/03/23 13:35	1
o-Terphenyl	107		70 - 130				07/03/23 08:26	07/03/23 13:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.6		5.02		mg/Kg			07/01/23 21:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (2.0')

Lab Sample ID: 880-30253-17

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 06:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 06:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 06:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 06:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/30/23 15:57	07/01/23 06:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/30/23 15:57	07/01/23 06:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/30/23 15:57	07/01/23 06:36	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	06/30/23 15:57	07/01/23 06:36	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			07/03/23 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/03/23 16:54	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		07/03/23 08:26	07/03/23 13:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/03/23 08:26	07/03/23 13:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/03/23 08:26	07/03/23 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/03/23 08:26	07/03/23 13:57	1
o-Terphenyl	122		70 - 130	07/03/23 08:26	07/03/23 13:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.4		4.99		mg/Kg			07/01/23 21:31	1

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-30253-18

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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		06/30/23 15:57	07/01/23 06:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 06:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 06:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/30/23 15:57	07/01/23 06:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	07/01/23 06:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/30/23 15:57	07/01/23 06:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/30/23 15:57	07/01/23 06:56	1
1,4-Difluorobenzene (Surr)	83		70 - 130	06/30/23 15:57	07/01/23 06:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-30253-18

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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			07/03/23 01:34	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			07/03/23 16:54	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		07/03/23 08:26	07/03/23 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/03/23 08:26	07/03/23 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				07/03/23 08:26	07/03/23 14:20	1
o-Terphenyl	99		70 - 130				07/03/23 08:26	07/03/23 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.6		5.04		mg/Kg			07/01/23 21:37	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
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)				
880-30253-1	CS-1 (3.0')	84	101				
880-30253-1 MS	CS-1 (3.0')	102	105				
880-30253-1 MSD	CS-1 (3.0')	100	114				
880-30253-2	CS-2 (3.0')	88	88				
880-30253-3	CS-3 (3.5')	93	87				
880-30253-4	CS-4 (3.5')	86	98				
880-30253-5	CS-5 (2.0')	86	88				
880-30253-6	CS-6 (2.0')	82	98				
880-30253-7	SW-1 (3.5')	88	60 S1-				
880-30253-8	SW-2 (3.0')	80	100				
880-30253-9	SW-3 (3.0')	90	90				
880-30253-10	SW-4 (3.0')	84	91				
880-30253-11	SW-5 (3.0')	89	81				
880-30253-12	SW-6 (3.5')	85	85				
880-30253-13	SW-7 (2.0')	88	94				
880-30253-14	SW-8 (2.0')	85	76				
880-30253-15	SW-9 (2.0')	95	80				
880-30253-16	SW-10 (2.0')	85	74				
880-30253-17	SW-11 (2.0')	94	69 S1-				
880-30253-18	SW-12 (1.5')	89	83				
LCS 880-56730/1-A	Lab Control Sample	102	113				
LCSD 880-56730/2-A	Lab Control Sample Dup	94	113				
MB 880-56656/5-A	Method Blank	69 S1-	93				
MB 880-56730/5-A	Method Blank	63 S1-	100				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-30253-1	CS-1 (3.0')	102	118				
880-30253-1 MS	CS-1 (3.0')	97	100				
880-30253-1 MSD	CS-1 (3.0')	100	99				
880-30253-2	CS-2 (3.0')	103	112				
880-30253-3	CS-3 (3.5')	99	98				
880-30253-4	CS-4 (3.5')	117	125				
880-30253-5	CS-5 (2.0')	122	118				
880-30253-6	CS-6 (2.0')	102	108				
880-30253-7	SW-1 (3.5')	119	126				
880-30253-8	SW-2 (3.0')	107	115				
880-30253-9	SW-3 (3.0')	114	121				
880-30253-10	SW-4 (3.0')	95	104				
880-30253-11	SW-5 (3.0')	91	100				
880-30253-11 MS	SW-5 (3.0')	85	86				
880-30253-11 MSD	SW-5 (3.0')	87	89				

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Surrogate Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-30253-12	SW-6 (3.5')	115	126
880-30253-13	SW-7 (2.0')	127	125
880-30253-14	SW-8 (2.0')	108	114
880-30253-15	SW-9 (2.0')	99	98
880-30253-16	SW-10 (2.0')	101	107
880-30253-17	SW-11 (2.0')	89	122
880-30253-18	SW-12 (1.5')	93	99
LCS 880-56756/2-A	Lab Control Sample	81	91
LCS 880-56820/2-A	Lab Control Sample	66 S1-	74
LCSD 880-56756/3-A	Lab Control Sample Dup	91	107
LCSD 880-56820/3-A	Lab Control Sample Dup	79	90
MB 880-56756/1-A	Method Blank	96	108
MB 880-56820/1-A	Method Blank	110	120

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56656/5-A

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/23 09:05	06/30/23 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 09:05	06/30/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 09:05	06/30/23 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/23 09:05	06/30/23 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 09:05	06/30/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/23 09:05	06/30/23 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	06/30/23 09:05	06/30/23 12:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/30/23 09:05	06/30/23 12:07	1

Lab Sample ID: MB 880-56730/5-A

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	06/30/23 23:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	06/30/23 23:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	06/30/23 23:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/23 15:57	06/30/23 23:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/23 15:57	06/30/23 23:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/23 15:57	06/30/23 23:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	06/30/23 15:57	06/30/23 23:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/30/23 15:57	06/30/23 23:42	1

Lab Sample ID: LCS 880-56730/1-A

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1121		mg/Kg		112	70 - 130
Toluene	0.100	0.1074		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2115		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-56730/2-A

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56730

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1258		mg/Kg		126	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-56730/2-A

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56730

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1091		mg/Kg		109	70 - 130	2	35
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2124		mg/Kg		106	70 - 130	0	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	0	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		70 - 130						
1,4-Difluorobenzene (Surr)	113		70 - 130						

Lab Sample ID: 880-30253-1 MS

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: CS-1 (3.0')

Prep Type: Total/NA

Prep Batch: 56730

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.1069		mg/Kg		108	70 - 130		
Toluene	<0.00201	U	0.0994	0.1008		mg/Kg		101	70 - 130		
Ethylbenzene	<0.00201	U	0.0994	0.09502		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1912		mg/Kg		96	70 - 130		
o-Xylene	<0.00201	U	0.0994	0.09094		mg/Kg		91	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Lab Sample ID: 880-30253-1 MSD

Matrix: Solid

Analysis Batch: 56650

Client Sample ID: CS-1 (3.0')

Prep Type: Total/NA

Prep Batch: 56730

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.1245		mg/Kg		125	70 - 130	15	35
Toluene	<0.00201	U	0.0998	0.1106		mg/Kg		110	70 - 130	9	35
Ethylbenzene	<0.00201	U	0.0998	0.1036		mg/Kg		104	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2100		mg/Kg		105	70 - 130	9	35
o-Xylene	<0.00201	U	0.0998	0.1002		mg/Kg		100	70 - 130	10	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	114		70 - 130								

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

Lab Sample ID: MB 880-56756/1-A

Matrix: Solid

Analysis Batch: 56781

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 11:26	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-56756/1-A

Matrix: Solid

Analysis Batch: 56781

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 11:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/23 10:12	07/02/23 11:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/01/23 10:12	07/02/23 11:26	1
o-Terphenyl	108		70 - 130				07/01/23 10:12	07/02/23 11:26	1

Lab Sample ID: LCS 880-56756/2-A

Matrix: Solid

Analysis Batch: 56781

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	928.1		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1112		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	81		70 - 130				
o-Terphenyl	91		70 - 130				

Lab Sample ID: LCSD 880-56756/3-A

Matrix: Solid

Analysis Batch: 56781

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56756

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	872.2		mg/Kg		87	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1129		mg/Kg		113	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	107		70 - 130						

Lab Sample ID: 880-30253-1 MS

Matrix: Solid

Analysis Batch: 56781

Client Sample ID: CS-1 (3.0')

Prep Type: Total/NA

Prep Batch: 56756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	907.1		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	910.3		mg/Kg		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	100		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-30253-1 MSD

Matrix: Solid

Analysis Batch: 56781

Client Sample ID: CS-1 (3.0')

Prep Type: Total/NA

Prep Batch: 56756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	923.9		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	923.1		mg/Kg		93	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: MB 880-56820/1-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/03/23 08:00	07/03/23 08:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/03/23 08:00	07/03/23 08:16	1
o-Terphenyl	120		70 - 130				07/03/23 08:00	07/03/23 08:16	1

Lab Sample ID: LCS 880-56820/2-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	820.5		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	895.9		mg/Kg		90	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	66	S1-	70 - 130						
o-Terphenyl	74		70 - 130						

Lab Sample ID: LCSD 880-56820/3-A

Matrix: Solid

Analysis Batch: 56816

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	821.8		mg/Kg		82	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	951.4		mg/Kg		95	70 - 130	6	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-56820/3-A
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56820

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-30253-11 MS
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: SW-5 (3.0')
Prep Type: Total/NA
Prep Batch: 56820

	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	997	860.1		mg/Kg		84	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	997	825.6		mg/Kg		81	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	85		70 - 130							
o-Terphenyl	86		70 - 130							

Lab Sample ID: 880-30253-11 MSD
Matrix: Solid
Analysis Batch: 56816

Client Sample ID: SW-5 (3.0')
Prep Type: Total/NA
Prep Batch: 56820

	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	999	894.3		mg/Kg		88	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	854.2		mg/Kg		84	70 - 130	3	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	87		70 - 130									
o-Terphenyl	89		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56735/1-A
Matrix: Solid
Analysis Batch: 56764

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			07/01/23 18:53	1	

Lab Sample ID: LCS 880-56735/2-A
Matrix: Solid
Analysis Batch: 56764

Client Sample ID: Lab Control Sample
Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	243.7		mg/Kg		97	90 - 110			

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QC Sample Results

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-56735/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56764											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-30253-1 MS				Client Sample ID: CS-1 (3.0')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56764											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	69.6		248	296.9		mg/Kg		92	90 - 110		

Lab Sample ID: 880-30253-1 MSD				Client Sample ID: CS-1 (3.0')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56764											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	69.6		248	296.5		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-30253-11 MS				Client Sample ID: SW-5 (3.0')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56764											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	47.3		249	292.0		mg/Kg		98	90 - 110		

Lab Sample ID: 880-30253-11 MSD				Client Sample ID: SW-5 (3.0')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56764											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	47.3		249	291.6		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 56650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Total/NA	Solid	8021B	56730
880-30253-2	CS-2 (3.0')	Total/NA	Solid	8021B	56730
880-30253-3	CS-3 (3.5')	Total/NA	Solid	8021B	56730
880-30253-4	CS-4 (3.5')	Total/NA	Solid	8021B	56730
880-30253-5	CS-5 (2.0')	Total/NA	Solid	8021B	56730
880-30253-6	CS-6 (2.0')	Total/NA	Solid	8021B	56730
880-30253-7	SW-1 (3.5')	Total/NA	Solid	8021B	56730
880-30253-8	SW-2 (3.0')	Total/NA	Solid	8021B	56730
880-30253-9	SW-3 (3.0')	Total/NA	Solid	8021B	56730
880-30253-10	SW-4 (3.0')	Total/NA	Solid	8021B	56730
880-30253-11	SW-5 (3.0')	Total/NA	Solid	8021B	56730
880-30253-12	SW-6 (3.5')	Total/NA	Solid	8021B	56730
880-30253-13	SW-7 (2.0')	Total/NA	Solid	8021B	56730
880-30253-14	SW-8 (2.0')	Total/NA	Solid	8021B	56730
880-30253-15	SW-9 (2.0')	Total/NA	Solid	8021B	56730
880-30253-16	SW-10 (2.0')	Total/NA	Solid	8021B	56730
880-30253-17	SW-11 (2.0')	Total/NA	Solid	8021B	56730
880-30253-18	SW-12 (1.5')	Total/NA	Solid	8021B	56730
MB 880-56656/5-A	Method Blank	Total/NA	Solid	8021B	56656
MB 880-56730/5-A	Method Blank	Total/NA	Solid	8021B	56730
LCS 880-56730/1-A	Lab Control Sample	Total/NA	Solid	8021B	56730
LCSD 880-56730/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56730
880-30253-1 MS	CS-1 (3.0')	Total/NA	Solid	8021B	56730
880-30253-1 MSD	CS-1 (3.0')	Total/NA	Solid	8021B	56730

Prep Batch: 56656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56656/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Total/NA	Solid	5035	
880-30253-2	CS-2 (3.0')	Total/NA	Solid	5035	
880-30253-3	CS-3 (3.5')	Total/NA	Solid	5035	
880-30253-4	CS-4 (3.5')	Total/NA	Solid	5035	
880-30253-5	CS-5 (2.0')	Total/NA	Solid	5035	
880-30253-6	CS-6 (2.0')	Total/NA	Solid	5035	
880-30253-7	SW-1 (3.5')	Total/NA	Solid	5035	
880-30253-8	SW-2 (3.0')	Total/NA	Solid	5035	
880-30253-9	SW-3 (3.0')	Total/NA	Solid	5035	
880-30253-10	SW-4 (3.0')	Total/NA	Solid	5035	
880-30253-11	SW-5 (3.0')	Total/NA	Solid	5035	
880-30253-12	SW-6 (3.5')	Total/NA	Solid	5035	
880-30253-13	SW-7 (2.0')	Total/NA	Solid	5035	
880-30253-14	SW-8 (2.0')	Total/NA	Solid	5035	
880-30253-15	SW-9 (2.0')	Total/NA	Solid	5035	
880-30253-16	SW-10 (2.0')	Total/NA	Solid	5035	
880-30253-17	SW-11 (2.0')	Total/NA	Solid	5035	
880-30253-18	SW-12 (1.5')	Total/NA	Solid	5035	
MB 880-56730/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56730/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 56730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-56730/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30253-1 MS	CS-1 (3.0')	Total/NA	Solid	5035	
880-30253-1 MSD	CS-1 (3.0')	Total/NA	Solid	5035	

Analysis Batch: 56804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Total/NA	Solid	Total BTEX	
880-30253-2	CS-2 (3.0')	Total/NA	Solid	Total BTEX	
880-30253-3	CS-3 (3.5')	Total/NA	Solid	Total BTEX	
880-30253-4	CS-4 (3.5')	Total/NA	Solid	Total BTEX	
880-30253-5	CS-5 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-6	CS-6 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-7	SW-1 (3.5')	Total/NA	Solid	Total BTEX	
880-30253-8	SW-2 (3.0')	Total/NA	Solid	Total BTEX	
880-30253-9	SW-3 (3.0')	Total/NA	Solid	Total BTEX	
880-30253-10	SW-4 (3.0')	Total/NA	Solid	Total BTEX	
880-30253-11	SW-5 (3.0')	Total/NA	Solid	Total BTEX	
880-30253-12	SW-6 (3.5')	Total/NA	Solid	Total BTEX	
880-30253-13	SW-7 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-14	SW-8 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-15	SW-9 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-16	SW-10 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-17	SW-11 (2.0')	Total/NA	Solid	Total BTEX	
880-30253-18	SW-12 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-2	CS-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-3	CS-3 (3.5')	Total/NA	Solid	8015NM Prep	
880-30253-4	CS-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-30253-5	CS-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-6	CS-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-7	SW-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-30253-8	SW-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-9	SW-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-10	SW-4 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-56756/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56756/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56756/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30253-1 MS	CS-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-1 MSD	CS-1 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Total/NA	Solid	8015B NM	56756
880-30253-2	CS-2 (3.0')	Total/NA	Solid	8015B NM	56756
880-30253-3	CS-3 (3.5')	Total/NA	Solid	8015B NM	56756
880-30253-4	CS-4 (3.5')	Total/NA	Solid	8015B NM	56756

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QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-5	CS-5 (2.0')	Total/NA	Solid	8015B NM	56756
880-30253-6	CS-6 (2.0')	Total/NA	Solid	8015B NM	56756
880-30253-7	SW-1 (3.5')	Total/NA	Solid	8015B NM	56756
880-30253-8	SW-2 (3.0')	Total/NA	Solid	8015B NM	56756
880-30253-9	SW-3 (3.0')	Total/NA	Solid	8015B NM	56756
880-30253-10	SW-4 (3.0')	Total/NA	Solid	8015B NM	56756
MB 880-56756/1-A	Method Blank	Total/NA	Solid	8015B NM	56756
LCS 880-56756/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56756
LCSD 880-56756/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56756
880-30253-1 MS	CS-1 (3.0')	Total/NA	Solid	8015B NM	56756
880-30253-1 MSD	CS-1 (3.0')	Total/NA	Solid	8015B NM	56756

Analysis Batch: 56816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-11	SW-5 (3.0')	Total/NA	Solid	8015B NM	56820
880-30253-12	SW-6 (3.5')	Total/NA	Solid	8015B NM	56820
880-30253-13	SW-7 (2.0')	Total/NA	Solid	8015B NM	56820
880-30253-14	SW-8 (2.0')	Total/NA	Solid	8015B NM	56820
880-30253-15	SW-9 (2.0')	Total/NA	Solid	8015B NM	56820
880-30253-16	SW-10 (2.0')	Total/NA	Solid	8015B NM	56820
880-30253-17	SW-11 (2.0')	Total/NA	Solid	8015B NM	56820
880-30253-18	SW-12 (1.5')	Total/NA	Solid	8015B NM	56820
MB 880-56820/1-A	Method Blank	Total/NA	Solid	8015B NM	56820
LCS 880-56820/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56820
LCSD 880-56820/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56820
880-30253-11 MS	SW-5 (3.0')	Total/NA	Solid	8015B NM	56820
880-30253-11 MSD	SW-5 (3.0')	Total/NA	Solid	8015B NM	56820

Prep Batch: 56820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-11	SW-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-12	SW-6 (3.5')	Total/NA	Solid	8015NM Prep	
880-30253-13	SW-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-14	SW-8 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-15	SW-9 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-16	SW-10 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-17	SW-11 (2.0')	Total/NA	Solid	8015NM Prep	
880-30253-18	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-56820/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56820/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56820/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30253-11 MS	SW-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-30253-11 MSD	SW-5 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Total/NA	Solid	8015 NM	
880-30253-2	CS-2 (3.0')	Total/NA	Solid	8015 NM	
880-30253-3	CS-3 (3.5')	Total/NA	Solid	8015 NM	
880-30253-4	CS-4 (3.5')	Total/NA	Solid	8015 NM	
880-30253-5	CS-5 (2.0')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56894 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-6	CS-6 (2.0')	Total/NA	Solid	8015 NM	
880-30253-7	SW-1 (3.5')	Total/NA	Solid	8015 NM	
880-30253-8	SW-2 (3.0')	Total/NA	Solid	8015 NM	
880-30253-9	SW-3 (3.0')	Total/NA	Solid	8015 NM	
880-30253-10	SW-4 (3.0')	Total/NA	Solid	8015 NM	
880-30253-11	SW-5 (3.0')	Total/NA	Solid	8015 NM	
880-30253-12	SW-6 (3.5')	Total/NA	Solid	8015 NM	
880-30253-13	SW-7 (2.0')	Total/NA	Solid	8015 NM	
880-30253-14	SW-8 (2.0')	Total/NA	Solid	8015 NM	
880-30253-15	SW-9 (2.0')	Total/NA	Solid	8015 NM	
880-30253-16	SW-10 (2.0')	Total/NA	Solid	8015 NM	
880-30253-17	SW-11 (2.0')	Total/NA	Solid	8015 NM	
880-30253-18	SW-12 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Soluble	Solid	DI Leach	
880-30253-2	CS-2 (3.0')	Soluble	Solid	DI Leach	
880-30253-3	CS-3 (3.5')	Soluble	Solid	DI Leach	
880-30253-4	CS-4 (3.5')	Soluble	Solid	DI Leach	
880-30253-5	CS-5 (2.0')	Soluble	Solid	DI Leach	
880-30253-6	CS-6 (2.0')	Soluble	Solid	DI Leach	
880-30253-7	SW-1 (3.5')	Soluble	Solid	DI Leach	
880-30253-8	SW-2 (3.0')	Soluble	Solid	DI Leach	
880-30253-9	SW-3 (3.0')	Soluble	Solid	DI Leach	
880-30253-10	SW-4 (3.0')	Soluble	Solid	DI Leach	
880-30253-11	SW-5 (3.0')	Soluble	Solid	DI Leach	
880-30253-12	SW-6 (3.5')	Soluble	Solid	DI Leach	
880-30253-13	SW-7 (2.0')	Soluble	Solid	DI Leach	
880-30253-14	SW-8 (2.0')	Soluble	Solid	DI Leach	
880-30253-15	SW-9 (2.0')	Soluble	Solid	DI Leach	
880-30253-16	SW-10 (2.0')	Soluble	Solid	DI Leach	
880-30253-17	SW-11 (2.0')	Soluble	Solid	DI Leach	
880-30253-18	SW-12 (1.5')	Soluble	Solid	DI Leach	
MB 880-56735/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56735/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56735/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30253-1 MS	CS-1 (3.0')	Soluble	Solid	DI Leach	
880-30253-1 MSD	CS-1 (3.0')	Soluble	Solid	DI Leach	
880-30253-11 MS	SW-5 (3.0')	Soluble	Solid	DI Leach	
880-30253-11 MSD	SW-5 (3.0')	Soluble	Solid	DI Leach	

Analysis Batch: 56764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-1	CS-1 (3.0')	Soluble	Solid	300.0	56735
880-30253-2	CS-2 (3.0')	Soluble	Solid	300.0	56735
880-30253-3	CS-3 (3.5')	Soluble	Solid	300.0	56735
880-30253-4	CS-4 (3.5')	Soluble	Solid	300.0	56735
880-30253-5	CS-5 (2.0')	Soluble	Solid	300.0	56735

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 56764 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30253-6	CS-6 (2.0')	Soluble	Solid	300.0	56735
880-30253-7	SW-1 (3.5')	Soluble	Solid	300.0	56735
880-30253-8	SW-2 (3.0')	Soluble	Solid	300.0	56735
880-30253-9	SW-3 (3.0')	Soluble	Solid	300.0	56735
880-30253-10	SW-4 (3.0')	Soluble	Solid	300.0	56735
880-30253-11	SW-5 (3.0')	Soluble	Solid	300.0	56735
880-30253-12	SW-6 (3.5')	Soluble	Solid	300.0	56735
880-30253-13	SW-7 (2.0')	Soluble	Solid	300.0	56735
880-30253-14	SW-8 (2.0')	Soluble	Solid	300.0	56735
880-30253-15	SW-9 (2.0')	Soluble	Solid	300.0	56735
880-30253-16	SW-10 (2.0')	Soluble	Solid	300.0	56735
880-30253-17	SW-11 (2.0')	Soluble	Solid	300.0	56735
880-30253-18	SW-12 (1.5')	Soluble	Solid	300.0	56735
MB 880-56735/1-A	Method Blank	Soluble	Solid	300.0	56735
LCS 880-56735/2-A	Lab Control Sample	Soluble	Solid	300.0	56735
LCSD 880-56735/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56735
880-30253-1 MS	CS-1 (3.0')	Soluble	Solid	300.0	56735
880-30253-1 MSD	CS-1 (3.0')	Soluble	Solid	300.0	56735
880-30253-11 MS	SW-5 (3.0')	Soluble	Solid	300.0	56735
880-30253-11 MSD	SW-5 (3.0')	Soluble	Solid	300.0	56735

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (3.0')

Lab Sample ID: 880-30253-1

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 00:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 19:10	CH	EET MID

Client Sample ID: CS-2 (3.0')

Lab Sample ID: 880-30253-2

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 00:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 15:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 19:28	CH	EET MID

Client Sample ID: CS-3 (3.5')

Lab Sample ID: 880-30253-3

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 00:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 15:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 19:34	CH	EET MID

Client Sample ID: CS-4 (3.5')

Lab Sample ID: 880-30253-4

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 01:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (3.5')

Lab Sample ID: 880-30253-4

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 15:54	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 19:40	CH	EET MID

Client Sample ID: CS-5 (2.0')

Lab Sample ID: 880-30253-5

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 01:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 16:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 19:46	CH	EET MID

Client Sample ID: CS-6 (2.0')

Lab Sample ID: 880-30253-6

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 01:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 16:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:03	CH	EET MID

Client Sample ID: SW-1 (3.5')

Lab Sample ID: 880-30253-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 02:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 17:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (3.5')

Lab Sample ID: 880-30253-7

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:09	CH	EET MID

Client Sample ID: SW-2 (3.0')

Lab Sample ID: 880-30253-8

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 02:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 17:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:15	CH	EET MID

Client Sample ID: SW-3 (3.0')

Lab Sample ID: 880-30253-9

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 02:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:21	CH	EET MID

Client Sample ID: SW-4 (3.0')

Lab Sample ID: 880-30253-10

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 03:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 11:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56756	07/01/23 10:12	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56781	07/02/23 18:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:26	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (3.0')

Lab Sample ID: 880-30253-11

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 04:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 10:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:32	CH	EET MID

Client Sample ID: SW-6 (3.5')

Lab Sample ID: 880-30253-12

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 04:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 12:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:50	CH	EET MID

Client Sample ID: SW-7 (2.0')

Lab Sample ID: 880-30253-13

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 05:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 12:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 20:56	CH	EET MID

Client Sample ID: SW-8 (2.0')

Lab Sample ID: 880-30253-14

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 05:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (2.0')

Lab Sample ID: 880-30253-14

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 21:13	CH	EET MID

Client Sample ID: SW-9 (2.0')

Lab Sample ID: 880-30253-15

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 05:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 13:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 21:19	CH	EET MID

Client Sample ID: SW-10 (2.0')

Lab Sample ID: 880-30253-16

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 06:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 13:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 21:25	CH	EET MID

Client Sample ID: SW-11 (2.0')

Lab Sample ID: 880-30253-17

Date Collected: 06/29/23 00:00

Matrix: Solid

Date Received: 06/30/23 15:41

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	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 06:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 13:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (2.0')
Date Collected: 06/29/23 00:00
Date Received: 06/30/23 15:41

Lab Sample ID: 880-30253-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 21:31	CH	EET MID

Client Sample ID: SW-12 (1.5')
Date Collected: 06/29/23 00:00
Date Received: 06/30/23 15:41

Lab Sample ID: 880-30253-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56730	06/30/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56650	07/01/23 06:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56804	07/03/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			56894	07/03/23 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56820	07/03/23 08:26	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56816	07/03/23 14:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56735	06/30/23 16:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56764	07/01/23 21:37	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: Beta-NGL Riser Spill

Job ID: 880-30253-1
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)
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: Beta-NGL Riser Spill

Job ID: 880-30253-1
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: Beta-NGL Riser Spill

Job ID: 880-30253-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30253-1	CS-1 (3.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-2	CS-2 (3.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-3	CS-3 (3.5')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-4	CS-4 (3.5')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-5	CS-5 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-6	CS-6 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-7	SW-1 (3.5')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-8	SW-2 (3.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-9	SW-3 (3.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-10	SW-4 (3.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-11	SW-5 (3.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-12	SW-6 (3.5')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-13	SW-7 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-14	SW-8 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-15	SW-9 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-16	SW-10 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-17	SW-11 (2.0')	Solid	06/29/23 00:00	06/30/23 15:41
880-30253-18	SW-12 (1.5')	Solid	06/29/23 00:00	06/30/23 15:41

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Work Order No: 30253

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Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RC
State of Project:	☐ Level II	☐ Level III	☐ ST/UST
Reporting Level II	☐ Level III	☐ ST/UST	☐ PRP
Deliverables	EDD	☐ ADAPT	☐ Other

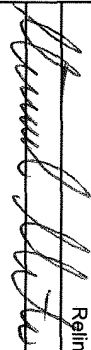
Project Name	Beta-NGL Riser Spill		Turn Around	Press. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	2042		☐ Routine	☒ Rush													None NO	DI Water H ₂ O		
Project Location	Eddy County, New Mexico		Due Date	24 Hours													Cool Cool	MeOH Me		
Sampler's Name	MM																HCL HC	HNO ₃ HN		
PO #																	H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank	Yes No	Wet Ice	Yes No													H ₃ PO ₄ HP			
Received Intact	Yes No		Thermometer ID														NaHSO ₄ NABIS			
Cooler Custody Seals	Yes No		Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals	Yes No		Temperature Reading														Zn Acetate+NaOH Zn			
Total Containers			Corrected Temperature														NaOH+Ascorbic Acid SAPC			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300													Sample Comments
CS-1 (3 0')	6/29/2023		X		C	1	X	X	X													
CS-2 (3 0')	6/29/2023		X		C	1	X	X	X													
CS-3 (3 5')	6/29/2023		X		C	1	X	X	X													
CS-4 (3 5')	6/29/2023		X		C	1	X	X	X													
CS-5 (2 0')	6/29/2023		X		C	1	X	X	X													
CS-6 (2 0')	6/29/2023		X		C	1	X	X	X													
SW-1 (3 5')	6/29/2023		X		C	1	X	X	X													
SW-2 (3 0')	6/29/2023		X		C	1	X	X	X													
SW-3 (3 0')	6/29/2023		X		C	1	X	X	X													
SW-4 (3 0')	6/29/2023		X		C	1	X	X	X													



880-30253 Chain of Custody

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6/30 3:44		

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Chain of Custody

Work Order No: 30253

Page 2 of 2

Project Manager	Corner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Pertund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other

Project Name	Beta-NGL Riser Spill			Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	2042			☐ Routine	☒ Rush													None NO	DI Water H ₂ O				
Project Location	Eddy County, New Mexico			Due Date	24 Hours													Cool Cool	MeOH Me				
Sampler's Name	MM																	HCL HC	HNO ₃ HN				
PO #:																	H ₂ SO ₄ H ₂	NaOH Na					
SAMPLE RECEIPT	Temp Blank.	Yes	No	Wet Ice	Yes	No	Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300													
	Received Intact:	Yes	No	Thermometer ID																			
	Cooler Custody Seals.	Yes	No	N/A	Correction Factor																		
	Sample Custody Seals.	Yes	No	N/A	Temperature Reading																		
	Total Containers.				Corrected Temperature																		
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-5 (3 0')				6/29/2023		X		C	1	X	X	X							Loc: 880 30253				
SW-6 (3 5')				6/29/2023		X		C	1	X	X	X											
SW-7 (2 0')				6/29/2023		X		C	1	X	X	X											
SW-8 (2 0')				6/29/2023		X		C	1	X	X	X											
SW-9 (2 0')				6/29/2023		X		C	1	X	X	X											
SW-10 (2 0')				6/29/2023		X		C	1	X	X	X											
SW-11 (2 0')				6/29/2023		X		C	1	X	X	X											
SW-12 (1 5')				6/29/2023		X		C	1	X	X	X											

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/30 3:41		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30253-1

SDG Number: Eddy County, New Mexico

Login Number: 30253

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 284486

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 284486
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. OCD requests that documentation and pictures be included in future report if existing groundwater wells will be gauged to establish depth to groundwater.	3/13/2024
bhall	OCD also disagrees with the Table I closure criteria in the report. Pursuant to 19.15.29.12 B.(4)(c)(i) NMAC, a release must be treated as if it occurred less than 50 feet to ground water in Table I of 19.15.29.12 NMAC if it is within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes. Closure is still approved as the confirmation samples returned results below the most stringent closure criteria.	3/13/2024
bhall	The site will need to be reseeded the release area in the first favorable growing season following closure of the site per 19.15.29.13 D.(2) NMAC.	3/13/2024
bhall	A revegetation report will need to be submitted as soon as revegetation is complete and meets of the requirements of 19.15.29.13 NMAC.	3/13/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	3/13/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/13/2024