CARMONA RESOURCES

SITE INFORMATION

Work Plan
Big Eddy SWD
Incident # NAPP2220641450
Eddy County, New Mexico
Unit P Sec 03 T20S R31E
32.596770°, -103.850601°

Produced Water Release
Point of Release: Lightning Strike
Release Date: 07/22/2022
Volume Released: 3,000 barrels of Produced Water
Volume Recovered: 3,000 barrels of Produced Water

CARMONA RESOURCES

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

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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

October 19, 2022

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

Re: Work Plan
Big Eddy SWD
NGL Water Solutions Permian, LLC
Incident # NAPP2220641450
Site Location: Unit P, S03, T20S, R31E
(Lat 32.596770°, Long -103.850601°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of NGL Water Solutions Permian, LLC (NGL), Carmona Resources, LLC has prepared this letter to document site activities for the Big Eddy SWD. The site is located at 32.596770°, -103.850601 º within Unit P, S03, T20S, 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 July 22, 2022, from a lightning strike burning the entire facility. It resulted in the release of approximately three thousand (3,000) barrels of produced water, and three thousand (3,000) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.70 miles Southeast of the site in S10, T20S, R31E and was drilled in 1973. The well has a reported depth to groundwater of 130' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

310 West Wall Street, Suite 415
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CARMONA RESOURCES

4.0 Site Assessment Activities

Initial Assessment

On September 13, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points and six (6) horizontal samples were advanced to depths ranging from the surface to 7' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical delineation was not achieved due to the dense layer encountered throughout the facility. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Trenching Activities

On October 14, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) trenches were advanced to depths ranging from the surface to 8' bgs inside the release area to evaluate the vertical extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Refer to Table 1 for analytical results.

5.0 Proposed Work Plan

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

- The area of S-1 (Trench-1) will be excavated to a depth of 8' below the surface and backfilled with clean material to grade. Or until vertical delineation is achieved.
- The area of S-3 (Trench-2) will be excavated to a depth of 2.5-3.0'' below the surface and backfilled with clean material to grade.
- An estimated 2,912 cubic yards will be removed and hauled to the nearest disposal based on

the maximum depth. However, it is subject to change if vertical delineation is achieved sooner.

- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 400 square feet to represent the release area.

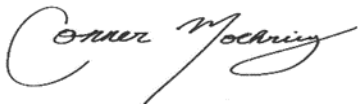
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

Mike Carmona
Environmental Manager

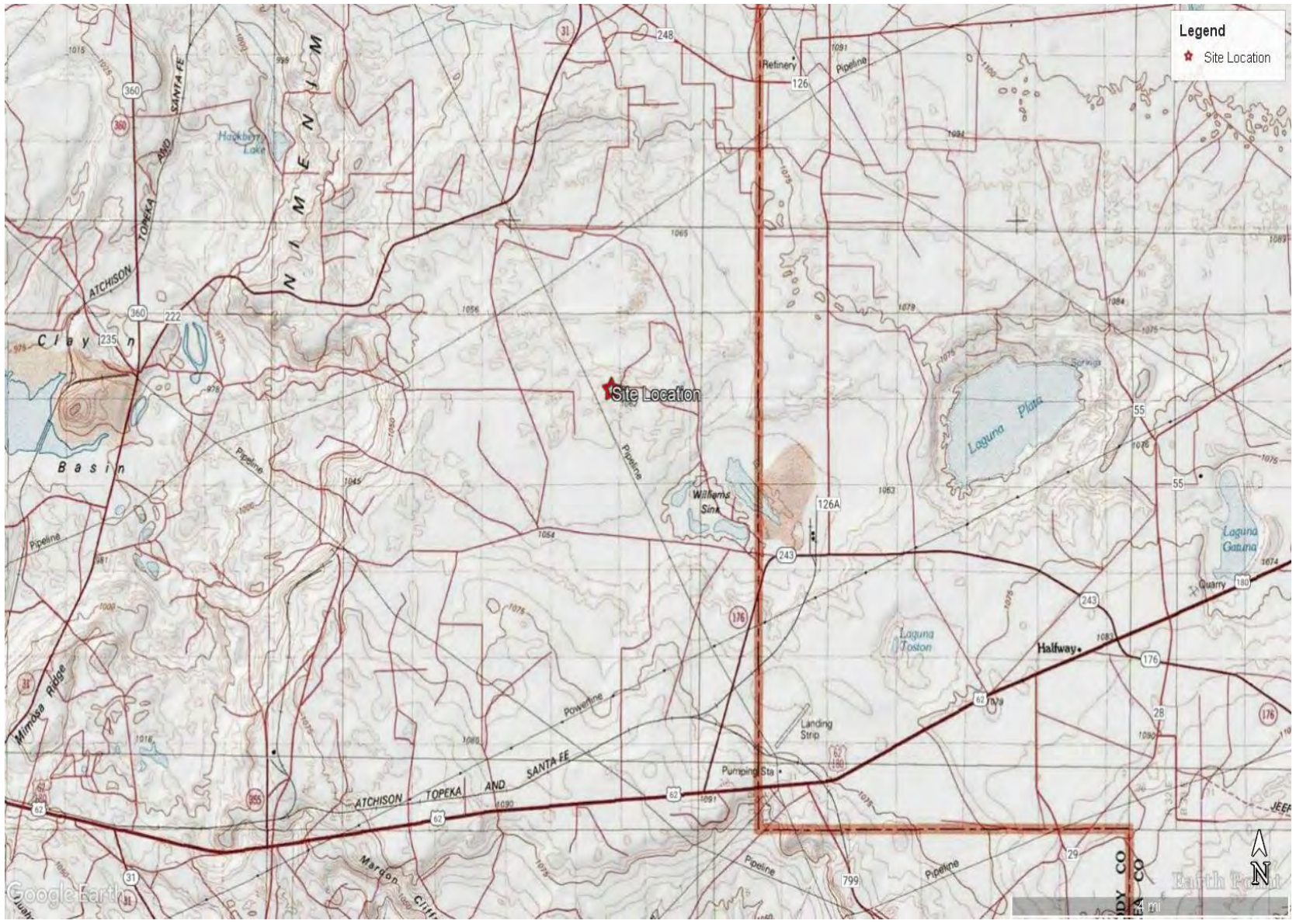


Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

SITE OVERVIEW MAP NGL ENERGY PARTNERS BIG EDDY SWD EDDY COUNTY, NEW MEXICO 32.596770, -103.850601	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP NGL ENERGY PARTNERS BIG EDDY SWD EDDY COUNTY, NEW MEXICO 32.596770, -103.850601	CARMONA RESOURCES	FIGURE 2

SAMPLE LOCATION MAP NGL ENERGY PARTNERS BIG EDDY SWD EDDY COUNTY, NEW MEXICO 32.596770, -103.850601	CARMONA RESOURCES	FIGURE 3

PROPOSED EXCAVATION DEPTH MAP NGL ENERGY PARTNERS BIG EDDY SWD EDDY COUNTY, NEW MEXICO 32.596770, -103.850601	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
NGL Water Solutions Permian
Big Eddy SWD
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	9/13/2022	0-6"	<49.9	**393**	<49.9	**393**	<0.00200	0.0275	0.0285	0.131	0.187	62.1
	"	1.0	<49.9	**393**	<49.9	**393**	<0.0201	<0.0201	0.103	0.176	0.279	49.9
	"	1.5	<50.0	**368**	<50.0	**368**	<0.00202	0.0461	0.0312	0.0535	0.131	70.2
	"	2.0	<49.9	**275**	<49.9	**275**	<0.00200	0.0446	0.0290	0.0496	0.123	86.2
	"	2.5	<50.0	**404**	<50.0	**404**	<0.00200	<0.00200	0.0317	0.0316	0.0633	62.5
	"	3.0	68.5	**641**	<49.9	**710**	<0.00199	0.0491	0.0442	0.187	0.280	56.8
	"	3.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	63.0
	"	4.0	97.2	**246**	<50.0	**343**	<0.0399	0.0718	0.581	2.25	2.90	417
	"	4.5	**177**	**407**	<49.9	**584**	<0.0402	<0.0402	0.668	2.54	3.20	585
	"	5.0	79.2	**237**	<49.9	**316**	<0.00200	0.00469	0.0978	0.293	0.395	394
	"	5.5	85.9	**177**	<50.0	**263**	<0.0399	<0.0399	0.506	1.23	1.74	483
	"	6.0	78.1	**216**	<49.9	**294**	<0.0398	<0.0398	0.304	0.793	1.10	436
	"	6.5	**777**	**1540**	<50.0	**2,320**	<0.0398	0.0559	4.94	8.45	13.4	**5,410**
	"	7.0	**1050**	**1970**	<49.8	**3,020**	<0.0402	0.0632	3.23	9.89	13.2	**4,750**
T-1	10/14/2022	0-1	<49.8	380	<49.8	380	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	66.8
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	104
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	0.00333	0.0293	0.0326	87.1
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	94.2
	"	4.0	<49.9	<49.9	<49.9	<49.9	0.208	<0.0399	1.06	1.28	2.55	143
	"	5.0	<49.9	<49.9	<49.9	<49.9	0.269	<0.0398	0.808	2.13	3.21	175
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.0320	0.0320	300
	"	7.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,110**
	"	8.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	314
S-2	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.2
	"	1.0	<50.0	50.4	<50.0	50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	86.6
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.8
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.4
S-3	9/13/2022	0-6"	<49.8	**189**	<49.8	**189**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	71.1
T-2	10/14/2022	0-0.5	<49.8	**348**	<49.8	**348**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**15,000**
	"	0.5-1	<50.0	**632**	<50.0	**632**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	179
S-4	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	49.4
H-1	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.6
H-2	9/13/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.9
H-3	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.6
H-4	9/13/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	46.1
H-5	9/13/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	44.4
H-6	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.9
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(S) - Sample Point
(H) - Horizontal
Proposed Excavation

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:
View Southwest of the burned-out facility.

Photograph No. 2

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:
View Northeast, area of S-1/T-1.

Photograph No. 3

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:
View Northeast, area of S-2, S-3/T-2, and S-4.

CARMONA RESOURCES

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	nAPP2220641450
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party NGL Water Solutions Permian, LLC	OGRID 372338
Contact Name Joseph Vargo	Contact Telephone 303-815-1010
Contact email Joseph.Vargo@nglep.com	Incident # *(assigned by OCD)* nAPP2220641450
Contact mailing address 865 N. Albion Street, Suite 400, Denver, CO 80220	

Location of Release Source

Latitude 32.596636 Longitude -103.850569
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Big Eddy SWD	Site Type Saltwater Disposal
Date Release Discovered 7.22.2022	API# *(if applicable)* 30-015-05819

Unit Letter	Section	Township	Range	County
P	03	20S	31E	Eddy

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

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) 3,000	Volume Recovered (bbls) 3,000
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Lightning Strike on the facility, igniting and burning the entire facility down. All released water stayed within containment. Local Volunteer Fire Dept and Happy Valley Fire/Rescure on site immediately.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2220641450
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? [X] Yes [ ] No	If YES, for what reason(s) does the responsible party consider this a major release? Yes, fire and 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, NOR was filed on 7.25 and BLM - surface owner - was noticed same day.

Initial Response

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

[X] The source of the release has been stopped.
[X] The impacted area has been secured to protect human health and the environment.
[X] Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
[X] All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Joseph Vargo Title: Regulatory Director

Signature: [signature] Date: 7.26.22

email: Joseph.Vargo@nglep.com Telephone: 303-815-1010

OCD Only

Received by: Jocelyn Harimon Date: 07/26/2022

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 128761

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 128761
	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	7/26/2022

State of New Mexico
Oil Conservation Division

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.

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/20/2022

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/20/2022

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

Signature: _____ Date: 01/10/2023

- Must provide a grab sample plan of the remediation area, where each composite sample is not representative of more than 200 ft2.
- The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC or constituents from other applicable remediation standards.

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

NGL - Big Eddy SWD

Legend

- 0.50 Mile Radius
- 0.70 Mile Radius
- NMSEO Water Well
- Big Eddy SWD

Big Eddy SWD

130' - Drilled 1973

N

2000 ft

LOW KARST

NGL - BIG EDDY SWD

Legend

- BIG EDDY SWD
- High
- Low
- Medium

BIG EDDY SWD

N

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00359	CP	LE	4	3	16	20S	31E		605483	3603944*	133		
CP 00368	CP	LE		2	36	20S	31E		610955	3600163*	303		
CP 00370	CP	LE		1	1	36	20S	31E	609945	3600358*	120	80	40
CP 00520	CP	ED	4	4	1	10	20S	31E	607163	3606278*	280	130	150

Average Depth to Water: **105 feet**

Minimum Depth: **80 feet**

Maximum Depth: **130 feet**

Record Count: 4

PLSS Search:

Township: 20S **Range:** 31E

***UTM location was derived from PLSS - see Help**

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
	CP 00520	4	4	1	10	20S	31E	607163	3606278*

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

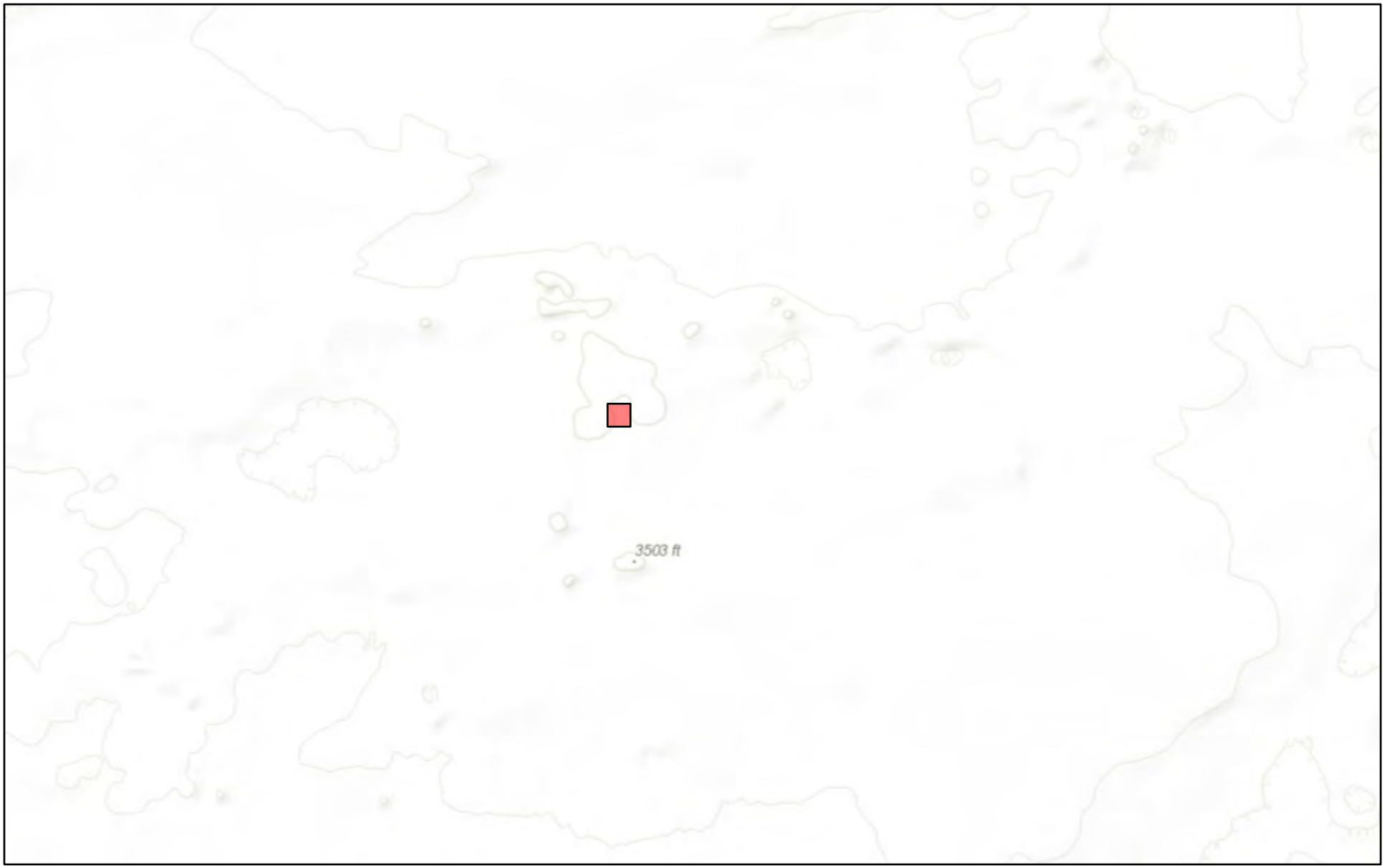
Driller Name: ABBOTT, MURRELL

Drill Start Date:	07/23/1973	**Drill Finish Date:**	07/25/1973	**Plug Date:**	
Log File Date:	07/31/1973	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	280 feet	**Depth Water:**	130 feet

Water Bearing Stratifications:	Top	Bottom	Description
	176	190	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

New Mexico NFHL Data



October 17, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

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

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19191-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Bid Eddy SWD

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

JKramer

Authorized for release by:
9/19/2022 3:33:37 PM

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

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

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

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Laboratory Job ID: 880-19191-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Job ID: 880-19191-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19191-1

Receipt
The samples were received on 9/14/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34556 and analytical batch 880-34713 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34693 and analytical batch 880-34745 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (4.5) (880-19191-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-34495/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-19130-A-12-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-34495 and analytical batch 880-34439 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34495 and analytical batch 880-34439 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
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: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19191-1
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
Toluene	**0.0275**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
Ethylbenzene	**0.0285**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
m-Xylene & p-Xylene	**0.0218**		0.00399		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
o-Xylene	**0.109**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
Xylenes, Total	**0.131**		0.00399		mg/Kg		09/15/22 09:02	09/17/22 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/15/22 09:02*	*09/17/22 02:38*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/15/22 09:02*	*09/17/22 02:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.187**		0.00399		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**393**		49.9		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 02:50	1
Diesel Range Organics (Over C10-C28)	**393**		49.9		mg/Kg		09/14/22 11:52	09/15/22 02:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/14/22 11:52*	*09/15/22 02:50*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/14/22 11:52*	*09/15/22 02:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.1**		5.02		mg/Kg			09/16/22 21:20	1

Client Sample ID: S-1 (1)

Lab Sample ID: 880-19191-2
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0201	U	0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
Toluene	<0.0201	U	0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
Ethylbenzene	**0.103**		0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
m-Xylene & p-Xylene	**0.110**		0.0402		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
o-Xylene	**0.0663**		0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
Xylenes, Total	**0.176**		0.0402		mg/Kg		09/16/22 16:25	09/19/22 11:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/16/22 16:25*	*09/19/22 11:22*	*10*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/16/22 16:25*	*09/19/22 11:22*	*10*

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.279**		0.0402		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**393**		49.9		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 03:11	1
Diesel Range Organics (Over C10-C28)	**393**		49.9		mg/Kg		09/14/22 11:52	09/15/22 03:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/14/22 11:52*	*09/15/22 03:11*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/14/22 11:52*	*09/15/22 03:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.9**		4.99		mg/Kg			09/16/22 21:25	1

Client Sample ID: S-1 (1.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
Toluene	**0.0461**		0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
Ethylbenzene	**0.0312**		0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
m-Xylene & p-Xylene	**0.0374**		0.00404		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
o-Xylene	**0.0161**		0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
Xylenes, Total	**0.0535**		0.00404		mg/Kg		09/15/22 09:02	09/17/22 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/15/22 09:02*	*09/17/22 03:18*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/15/22 09:02*	*09/17/22 03:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.131**		0.00404		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**368**		50.0		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 03:32	1
Diesel Range Organics (Over C10-C28)	**368**		50.0		mg/Kg		09/14/22 11:52	09/15/22 03:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/14/22 11:52*	*09/15/22 03:32*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/14/22 11:52*	*09/15/22 03:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.2**		4.99		mg/Kg			09/16/22 21:30	1

Client Sample ID: S-1 (2)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
Toluene	**0.0446**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
Ethylbenzene	**0.0290**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
m-Xylene & p-Xylene	**0.0357**		0.00401		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
o-Xylene	**0.0139**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
Xylenes, Total	**0.0496**		0.00401		mg/Kg		09/15/22 09:02	09/17/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/15/22 09:02*	*09/17/22 03:39*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*09/15/22 09:02*	*09/17/22 03:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.123**		0.00401		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**275**		49.9		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 04:15	1
Diesel Range Organics (Over C10-C28)	**275**		49.9		mg/Kg		09/14/22 11:52	09/15/22 04:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/14/22 11:52*	*09/15/22 04:15*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/14/22 11:52*	*09/15/22 04:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.2**		4.97		mg/Kg			09/16/22 21:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2.5)

Lab Sample ID: 880-19191-5
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
Ethylbenzene	**0.0317**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
m-Xylene & p-Xylene	**0.0168**		0.00399		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
o-Xylene	**0.0148**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
Xylenes, Total	**0.0316**		0.00399		mg/Kg		09/15/22 09:02	09/17/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/15/22 09:02*	*09/17/22 03:59*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/15/22 09:02*	*09/17/22 03:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0633**		0.00399		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**404**		50.0		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 03:53	1
Diesel Range Organics (Over C10-C28)	**404**		50.0		mg/Kg		09/14/22 11:52	09/15/22 03:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/14/22 11:52*	*09/15/22 03:53*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/14/22 11:52*	*09/15/22 03:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.5**		5.03		mg/Kg			09/16/22 21:49	1

Client Sample ID: S-1 (3)

Lab Sample ID: 880-19191-6
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
Toluene	**0.0491**		0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
Ethylbenzene	**0.0442**		0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
m-Xylene & p-Xylene	**0.0237**		0.00398		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
o-Xylene	**0.163**		0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
Xylenes, Total	**0.187**		0.00398		mg/Kg		09/15/22 09:02	09/17/22 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/15/22 09:02*	*09/17/22 04:20*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/15/22 09:02*	*09/17/22 04:20*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-6
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.280**		0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**710**		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**68.5**		49.9		mg/Kg		09/14/22 11:52	09/15/22 02:08	1
Diesel Range Organics (Over C10-C28)	**641**		49.9		mg/Kg		09/14/22 11:52	09/15/22 02:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/14/22 11:52*	*09/15/22 02:08*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/14/22 11:52*	*09/15/22 02:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.8**		4.99		mg/Kg			09/16/22 21:54	1

Client Sample ID: S-1 (3.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/15/22 09:02	09/17/22 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/15/22 09:02*	*09/17/22 04:40*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/15/22 09:02*	*09/17/22 04:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/14/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 20:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*09/14/22 11:52*	*09/14/22 20:47*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/14/22 11:52*	*09/14/22 20:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.0**		4.98		mg/Kg			09/16/22 21:59	1

Client Sample ID: S-1 (4)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Toluene	**0.0718**		0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Ethylbenzene	**0.581**		0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
m-Xylene & p-Xylene	**1.50**		0.0798		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
o-Xylene	**0.748**		0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Xylenes, Total	**2.25**		0.0798		mg/Kg		09/15/22 09:02	09/17/22 05:21	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/15/22 09:02*	*09/17/22 05:21*	*20*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/15/22 09:02*	*09/17/22 05:21*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**2.90**		0.0798		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**343**		50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**97.2**		50.0		mg/Kg		09/14/22 11:52	09/15/22 04:36	1
Diesel Range Organics (Over C10-C28)	**246**		50.0		mg/Kg		09/14/22 11:52	09/15/22 04:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/14/22 11:52*	*09/15/22 04:36*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/14/22 11:52*	*09/15/22 04:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**417**		5.02		mg/Kg			09/16/22 22:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (4.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-9

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
Toluene	<0.0402	U	0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
Ethylbenzene	**0.668**		0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
m-Xylene & p-Xylene	**1.79**		0.0805		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
o-Xylene	**0.745**		0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
Xylenes, Total	**2.54**		0.0805		mg/Kg		09/15/22 09:02	09/17/22 05:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/15/22 09:02*	*09/17/22 05:41*	*20*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*09/15/22 09:02*	*09/17/22 05:41*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.20**		0.0805		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**584**		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**177**		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:39	1
Diesel Range Organics (Over C10-C28)	**407**		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*09/14/22 11:52*	*09/14/22 23:39*	*1*
o-Terphenyl	*126*		*70 - 130*	*09/14/22 11:52*	*09/14/22 23:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**585**		5.02		mg/Kg			09/16/22 22:09	1

Client Sample ID: S-1 (5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
Toluene	**0.00469**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
Ethylbenzene	**0.0978**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
m-Xylene & p-Xylene	**0.212**		0.00401		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
o-Xylene	**0.0805**		0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
Xylenes, Total	**0.293**		0.00401		mg/Kg		09/15/22 09:02	09/17/22 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*09/15/22 09:02*	*09/17/22 05:01*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/15/22 09:02*	*09/17/22 05:01*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-10

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.395		0.00401		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	316		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	79.2		49.9		mg/Kg		09/14/22 11:52	09/15/22 00:01	1
Diesel Range Organics (Over C10-C28)	237		49.9		mg/Kg		09/14/22 11:52	09/15/22 00:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*09/14/22 11:52*	*09/15/22 00:01*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/14/22 11:52*	*09/15/22 00:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		5.02		mg/Kg			09/16/22 22:13	1

Client Sample ID: S-1 (5.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Toluene	<0.0399	U	0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Ethylbenzene	0.506		0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
m-Xylene & p-Xylene	0.847		0.0798		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
o-Xylene	0.384		0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Xylenes, Total	1.23		0.0798		mg/Kg		09/15/22 09:02	09/17/22 09:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/15/22 09:02*	*09/17/22 09:34*	*20*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/15/22 09:02*	*09/17/22 09:34*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.74		0.0798		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	263		50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	85.9		50.0		mg/Kg		09/14/22 11:52	09/15/22 00:22	1
Diesel Range Organics (Over C10-C28)	177		50.0		mg/Kg		09/14/22 11:52	09/15/22 00:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (5.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/14/22 11:52*	*09/15/22 00:22*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/14/22 11:52*	*09/15/22 00:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**483**		4.98		mg/Kg			09/16/22 22:28	1

Client Sample ID: S-1 (6)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Toluene	<0.0398	U	0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Ethylbenzene	**0.304**		0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
m-Xylene & p-Xylene	**0.539**		0.0797		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
o-Xylene	**0.254**		0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Xylenes, Total	**0.793**		0.0797		mg/Kg		09/15/22 09:02	09/17/22 09:55	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/15/22 09:02*	*09/17/22 09:55*	*20*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/15/22 09:02*	*09/17/22 09:55*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.10**		0.0797		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**294**		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**78.1**		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:18	1
Diesel Range Organics (Over C10-C28)	**216**		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:18	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*09/14/22 11:52*	*09/14/22 23:18*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/14/22 11:52*	*09/14/22 23:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**436**		4.99		mg/Kg			09/16/22 22:33	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (6.5)

Lab Sample ID: 880-19191-13
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
Toluene	**0.0559**		0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
Ethylbenzene	**4.94**		0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
m-Xylene & p-Xylene	**7.03**		0.0795		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
o-Xylene	**1.42**		0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
Xylenes, Total	**8.45**		0.0795		mg/Kg		09/15/22 09:02	09/17/22 10:15	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*295*	*S1+*	*70 - 130*	*09/15/22 09:02*	*09/17/22 10:15*	*20*
1,4-Difluorobenzene (Surr)	*176*	*S1+*	*70 - 130*	*09/15/22 09:02*	*09/17/22 10:15*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**13.4**		0.0795		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2320**		50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**777**		50.0		mg/Kg		09/14/22 11:52	09/15/22 01:47	1
Diesel Range Organics (Over C10-C28)	**1540**		50.0		mg/Kg		09/14/22 11:52	09/15/22 01:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/14/22 11:52*	*09/15/22 01:47*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/14/22 11:52*	*09/15/22 01:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5410**		49.7		mg/Kg			09/16/22 22:47	10

Client Sample ID: S-1 (7)

Lab Sample ID: 880-19191-14
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
Toluene	**0.0632**		0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
Ethylbenzene	**3.23**		0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
m-Xylene & p-Xylene	**6.98**		0.0805		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
o-Xylene	**2.91**		0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
Xylenes, Total	**9.89**		0.0805		mg/Kg		09/15/22 09:02	09/17/22 10:36	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*09/15/22 09:02*	*09/17/22 10:36*	*20*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*09/15/22 09:02*	*09/17/22 10:36*	*20*

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (7)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-14

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**13.2**		0.0805		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3020**		49.8		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1050**		49.8		mg/Kg		09/14/22 11:52	09/15/22 01:25	1
Diesel Range Organics (Over C10-C28)	**1970**		49.8		mg/Kg		09/14/22 11:52	09/15/22 01:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/14/22 11:52	09/15/22 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/14/22 11:52*	*09/15/22 01:25*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/14/22 11:52*	*09/15/22 01:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4750**		49.7		mg/Kg			09/16/22 22:52	10

Client Sample ID: S-2 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/22 09:02	09/17/22 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/15/22 09:02*	*09/17/22 07:31*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/15/22 09:02*	*09/17/22 07:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/14/22 21:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 21:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/14/22 11:52*	*09/14/22 21:51*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/14/22 11:52*	*09/14/22 21:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.2**		5.01		mg/Kg			09/16/22 22:57	1

Client Sample ID: S-2 (1)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-16

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/15/22 09:02*	*09/17/22 07:52*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/15/22 09:02*	*09/17/22 07:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.4**		50.0		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 00:43	1
Diesel Range Organics (Over C10-C28)	**50.4**		50.0		mg/Kg		09/14/22 11:52	09/15/22 00:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/14/22 11:52*	*09/15/22 00:43*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/14/22 11:52*	*09/15/22 00:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.6**		5.00		mg/Kg			09/16/22 23:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-17

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/15/22 09:02*	*09/17/22 08:12*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/15/22 09:02*	*09/17/22 08:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/14/22 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 22:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/14/22 11:52*	*09/14/22 22:13*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/14/22 11:52*	*09/14/22 22:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.8**		4.99		mg/Kg			09/16/22 23:07	1

Client Sample ID: S-2 (2)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-18

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/15/22 09:02	09/17/22 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/15/22 09:02*	*09/17/22 08:33*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/15/22 09:02*	*09/17/22 08:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (2)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-18
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/14/22 22:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/14/22 11:52*	*09/14/22 22:34*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/14/22 11:52*	*09/14/22 22:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.4**		4.96		mg/Kg			09/16/22 23:12	1

Client Sample ID: S-3 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*09/15/22 09:02*	*09/17/22 08:53*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/15/22 09:02*	*09/17/22 08:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**189**		49.8		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/15/22 02:29	1
Diesel Range Organics (Over C10-C28)	**189**		49.8		mg/Kg		09/14/22 11:52	09/15/22 02:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-19191-19
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/14/22 11:52	09/15/22 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*09/14/22 11:52*	*09/15/22 02:29*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/14/22 11:52*	*09/15/22 02:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.1**		4.95		mg/Kg			09/16/22 23:17	1

Client Sample ID: S-4 (0-6")

Lab Sample ID: 880-19191-20
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/15/22 09:02	09/17/22 09:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/15/22 09:02*	*09/17/22 09:14*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*09/15/22 09:02*	*09/17/22 09:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/22 09:50	1

Method: 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		09/14/22 11:52	09/14/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:56	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/14/22 11:52*	*09/14/22 22:56*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/14/22 11:52*	*09/14/22 22:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.4**		5.00		mg/Kg			09/17/22 02:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-19191-21
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/15/22 09:07*	*09/18/22 08:23*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/15/22 09:07*	*09/18/22 08:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/14/22 11:55	09/14/22 22:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 22:34	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/14/22 11:55*	*09/14/22 22:34*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/14/22 11:55*	*09/14/22 22:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.6**		5.01		mg/Kg			09/17/22 02:51	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-19191-22
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/15/22 09:07*	*09/18/22 08:44*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*09/15/22 09:07*	*09/18/22 08:44*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-19191-22
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/14/22 11:55	09/14/22 22:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 22:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/14/22 11:55*	*09/14/22 22:56*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/14/22 11:55*	*09/14/22 22:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.9**		5.03		mg/Kg			09/17/22 02:56	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-19191-23
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/15/22 09:07	09/18/22 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/15/22 09:07*	*09/18/22 09:04*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/15/22 09:07*	*09/18/22 09:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/14/22 11:55	09/14/22 23:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 23:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-3 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/14/22 11:55*	*09/14/22 23:18*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/14/22 11:55*	*09/14/22 23:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.6**		5.02		mg/Kg			09/17/22 03:01	1

Client Sample ID: H-4 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-24

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/15/22 09:07	09/18/22 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/15/22 09:07*	*09/18/22 09:25*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/15/22 09:07*	*09/18/22 09:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/14/22 11:55	09/14/22 23:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 23:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/14/22 11:55*	*09/14/22 23:39*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/14/22 11:55*	*09/14/22 23:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.1**		4.99		mg/Kg			09/17/22 03:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-19191-25
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/22 09:07	09/18/22 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/15/22 09:07*	*09/18/22 09:45*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/15/22 09:07*	*09/18/22 09:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/14/22 11:55	09/15/22 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/15/22 00:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/15/22 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*09/14/22 11:55*	*09/15/22 00:01*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/14/22 11:55*	*09/15/22 00:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.4**		4.97		mg/Kg			09/17/22 03:20	1

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-19191-26
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/15/22 09:07*	*09/18/22 10:06*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/15/22 09:07*	*09/18/22 10:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-6 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-26

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		09/14/22 11:55	09/15/22 00:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/15/22 00:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/15/22 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/14/22 11:55*	*09/15/22 00:22*	*1*
o-Terphenyl	*117*		*70 - 130*	*09/14/22 11:55*	*09/15/22 00:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.9**		5.04		mg/Kg			09/17/22 03:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-19191-1	S-1 (0-6")	87	94										
880-19191-1 MS	S-1 (0-6")	81	110										
880-19191-1 MSD	S-1 (0-6")	108	91										
880-19191-2	S-1 (1)	87	81										
880-19191-3	S-1 (1.5)	122	99										
880-19191-4	S-1 (2)	102	116										
880-19191-5	S-1 (2.5)	96	105										
880-19191-6	S-1 (3)	106	93										
880-19191-7	S-1 (3.5)	118	98										
880-19191-8	S-1 (4)	122	85										
880-19191-9	S-1 (4.5)	111	80										
880-19191-10	S-1 (5)	136 S1+	100										
880-19191-11	S-1 (5.5)	106	90										
880-19191-12	S-1 (6)	94	88										
880-19191-13	S-1 (6.5)	295 S1+	176 S1+										
880-19191-14	S-1 (7)	166 S1+	121										
880-19191-15	S-2 (0-6")	110	103										
880-19191-16	S-2 (1)	109	102										
880-19191-17	S-2 (1.5)	106	105										
880-19191-18	S-2 (2)	104	108										
880-19191-19	S-3 (0-6")	106	108										
880-19191-20	S-4 (0-6")	108	112										
880-19191-21	H-1 (0-6")	108	90										
880-19191-22	H-2 (0-6")	109	88										
880-19191-23	H-3 (0-6")	114	85										
880-19191-24	H-4 (0-6")	112	89										
880-19191-25	H-5 (0-6")	110	90										
880-19191-26	H-6 (0-6")	109	93										
880-19317-A-1-G MS	Matrix Spike	108	94										
880-19317-A-1-H MSD	Matrix Spike Duplicate	106	99										
890-2885-A-1-J MS	Matrix Spike	117	107										
890-2885-A-1-K MSD	Matrix Spike Duplicate	115	112										
LCS 880-34555/1-A	Lab Control Sample	101	102										
LCS 880-34556/1-A	Lab Control Sample	118	90										
LCS 880-34693/1-A	Lab Control Sample	107	98										
LCSD 880-34555/2-A	Lab Control Sample Dup	101	104										
LCSD 880-34556/2-A	Lab Control Sample Dup	117	104										
LCSD 880-34693/2-A	Lab Control Sample Dup	106	99										
MB 880-34410/5-B	Method Blank	104	117										
MB 880-34555/5-A	Method Blank	105	110										
MB 880-34556/5-A	Method Blank	97	84										
MB 880-34593/5-A	Method Blank	95	87										
MB 880-34645/5-A	Method Blank	103	116										
MB 880-34693/5-A	Method Blank	101	112										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-19130-A-12-E MS	Matrix Spike	92	84								
880-19130-A-12-F MSD	Matrix Spike Duplicate	94	87								
880-19191-1	S-1 (0-6")	112	103								
880-19191-2	S-1 (1)	115	107								
880-19191-3	S-1 (1.5)	112	104								
880-19191-4	S-1 (2)	112	108								
880-19191-5	S-1 (2.5)	116	108								
880-19191-6	S-1 (3)	117	107								
880-19191-7	S-1 (3.5)	118	112								
880-19191-7 MS	S-1 (3.5)	103	99								
880-19191-7 MSD	S-1 (3.5)	126	104								
880-19191-8	S-1 (4)	115	109								
880-19191-9	S-1 (4.5)	134 S1+	126								
880-19191-10	S-1 (5)	125	112								
880-19191-11	S-1 (5.5)	121	120								
880-19191-12	S-1 (6)	118	106								
880-19191-13	S-1 (6.5)	121	107								
880-19191-14	S-1 (7)	121	110								
880-19191-15	S-2 (0-6")	112	109								
880-19191-16	S-2 (1)	115	112								
880-19191-17	S-2 (1.5)	120	111								
880-19191-18	S-2 (2)	110	106								
880-19191-19	S-3 (0-6")	117	108								
880-19191-20	S-4 (0-6")	112	103								
880-19191-21	H-1 (0-6")	98	97								
880-19191-22	H-2 (0-6")	95	96								
880-19191-23	H-3 (0-6")	98	98								
880-19191-24	H-4 (0-6")	100	100								
880-19191-25	H-5 (0-6")	107	106								
880-19191-26	H-6 (0-6")	120	117								
LCS 880-34494/2-A	Lab Control Sample	121	111								
LCS 880-34495/2-A	Lab Control Sample	147 S1+	151 S1+								
LCSD 880-34494/3-A	Lab Control Sample Dup	127	108								
LCSD 880-34495/3-A	Lab Control Sample Dup	127	130								
MB 880-34494/1-A	Method Blank	127	121								
MB 880-34495/1-A	Method Blank	121	125								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34410/5-B
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/13/22 14:00*	*09/18/22 17:48*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*09/13/22 14:00*	*09/18/22 17:48*	*1*

Lab Sample ID: MB 880-34555/5-A
Matrix: Solid
Analysis Batch: 34644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 02:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*09/15/22 09:02*	*09/17/22 02:09*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*09/15/22 09:02*	*09/17/22 02:09*	*1*

Lab Sample ID: LCS 880-34555/1-A
Matrix: Solid
Analysis Batch: 34644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34555

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09221		mg/Kg		92	70 - 130		
Toluene			0.100	0.09137		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.08757		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1849		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09430		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-34555/2-A
Matrix: Solid
Analysis Batch: 34644

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34555

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09503		mg/Kg		95	70 - 130	3	35

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-34555/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34644 — **Prep Batch: 34555**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08737		mg/Kg		87	70 - 130	4	35
Ethylbenzene			0.100	0.08348		mg/Kg		83	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1771		mg/Kg		89	70 - 130	4	35
o-Xylene			0.100	0.09157		mg/Kg		92	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-19191-1 MS — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34644 — **Prep Batch: 34555**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-19191-1 MSD — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34644 — **Prep Batch: 34555**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: MB 880-34556/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34713 — **Prep Batch: 34556**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 09:07	09/18/22 02:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*09/15/22 09:07*	*09/18/22 02:15*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*09/15/22 09:07*	*09/18/22 02:15*	*1*

Lab Sample ID: LCS 880-34556/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34713 — **Prep Batch: 34556**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.07664		mg/Kg		77	70 - 130
Toluene			0.100	0.07821		mg/Kg		78	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34556/1-A
Matrix: Solid
Analysis Batch: 34713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.08698		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1695		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.09705		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-34556/2-A
Matrix: Solid
Analysis Batch: 34713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08292		mg/Kg		83	70 - 130	8	35
Toluene			0.100	0.07568		mg/Kg		76	70 - 130	3	35
Ethylbenzene			0.100	0.08414		mg/Kg		84	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1717		mg/Kg		86	70 - 130	1	35
o-Xylene			0.100	0.09910		mg/Kg		99	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-2885-A-1-J MS
Matrix: Solid
Analysis Batch: 34713

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.0998	0.06663	F1	mg/Kg		67	70 - 130		
Toluene	<0.00201	U F1	0.0998	0.03540	F1	mg/Kg		35	70 - 130		
Ethylbenzene	<0.00201	U F1	0.0998	0.02660	F1	mg/Kg		27	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.02588	F1	mg/Kg		13	70 - 130		
o-Xylene	<0.00201	U F1	0.0998	0.02449	F1	mg/Kg		25	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-2885-A-1-K MSD
Matrix: Solid
Analysis Batch: 34713

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34556

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	0.06266	F1	mg/Kg		63	70 - 130	6	35
Toluene	<0.00201	U F1	0.0996	0.02895	F1	mg/Kg		29	70 - 130	20	35
Ethylbenzene	<0.00201	U F1	0.0996	0.02169	F1	mg/Kg		22	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.02201	F1	mg/Kg		11	70 - 130	16	35
o-Xylene	<0.00201	U F1	0.0996	0.01975	F1	mg/Kg		20	70 - 130	21	35

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-34593/5-A
Matrix: Solid
Analysis Batch: 34713

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 13:32	09/17/22 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	09/15/22 13:32	09/17/22 15:41	1
1,4-Difluorobenzene (Surr)	87		70 - 130	09/15/22 13:32	09/17/22 15:41	1

Lab Sample ID: MB 880-34645/5-A
Matrix: Solid
Analysis Batch: 34644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 09:35	09/16/22 14:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/16/22 09:35	09/16/22 14:12	1
1,4-Difluorobenzene (Surr)	116		70 - 130	09/16/22 09:35	09/16/22 14:12	1

Lab Sample ID: MB 880-34693/5-A
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 16:25	09/19/22 05:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/16/22 16:25	09/19/22 05:25	1
1,4-Difluorobenzene (Surr)	112		70 - 130	09/16/22 16:25	09/19/22 05:25	1

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34693/1-A
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34693

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08533		mg/Kg		85	70 - 130		
Toluene			0.100	0.08574		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.08382		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1705		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.08599		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-34693/2-A
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34693

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08638		mg/Kg		86	70 - 130	1	35
Toluene			0.100	0.08834		mg/Kg		88	70 - 130	3	35
Ethylbenzene			0.100	0.08742		mg/Kg		87	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1843		mg/Kg		92	70 - 130	8	35
o-Xylene			0.100	0.09310		mg/Kg		93	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-19317-A-1-G MS
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.0998	0.06447	F1	mg/Kg		65	70 - 130		
Toluene	<0.00199	U F1	0.0998	0.06048	F1	mg/Kg		61	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0998	0.06015	F1	mg/Kg		60	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1217	F1	mg/Kg		61	70 - 130		
o-Xylene	<0.00199	U F1	0.0998	0.06506	F1	mg/Kg		65	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-19317-A-1-H MSD
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07072		mg/Kg		70	70 - 130	9	35
Toluene	<0.00199	U F1	0.100	0.05975	F1	mg/Kg		60	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.05638	F1	mg/Kg		56	70 - 130	6	35

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19317-A-1-H MSD
Matrix: Solid
Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1156	F1	mg/Kg		58	70 - 130	5	35
o-Xylene	<0.00199	U F1	0.100	0.06056	F1	mg/Kg		60	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-34494/1-A
Matrix: Solid
Analysis Batch: 34437

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34494

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		09/14/22 11:52	09/14/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 19:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 19:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*09/14/22 11:52*	*09/14/22 19:42*	*1*
o-Terphenyl	*121*		*70 - 130*	*09/14/22 11:52*	*09/14/22 19:42*	*1*

Lab Sample ID: LCS 880-34494/2-A
Matrix: Solid
Analysis Batch: 34437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34494

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	911.1		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1037		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-34494/3-A
Matrix: Solid
Analysis Batch: 34437

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34494

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	864.9		mg/Kg		86	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1002		mg/Kg		100	70 - 130	3	20

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-34494/3-A
Matrix: Solid
Analysis Batch: 34437

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34494

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-19191-7 MS
Matrix: Solid
Analysis Batch: 34437

Client Sample ID: S-1 (3.5)
Prep Type: Total/NA
Prep Batch: 34494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1107		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1200		mg/Kg		120	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-19191-7 MSD
Matrix: Solid
Analysis Batch: 34437

Client Sample ID: S-1 (3.5)
Prep Type: Total/NA
Prep Batch: 34494

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	999	1029		mg/Kg		103	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1276		mg/Kg		128	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: MB 880-34495/1-A
Matrix: Solid
Analysis Batch: 34439

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34495

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		09/14/22 11:55	09/14/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 19:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 19:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	09/14/22 11:55	09/14/22 19:42	1
o-Terphenyl	125		70 - 130	09/14/22 11:55	09/14/22 19:42	1

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34495/2-A
Matrix: Solid
Analysis Batch: 34439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34495

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1079		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1089		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*147*	*S1+*	*70 - 130*
o-Terphenyl	*151*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-34495/3-A
Matrix: Solid
Analysis Batch: 34439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34495

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	874.7	*1	mg/Kg		87	70 - 130	21	20
Diesel Range Organics (Over C10-C28)			1000	949.4		mg/Kg		95	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*127*		*70 - 130*
o-Terphenyl	*130*		*70 - 130*

Lab Sample ID: 880-19130-A-12-E MS
Matrix: Solid
Analysis Batch: 34439

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34495

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 *1 F1	996	611.6	F1	mg/Kg		59	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	885.8		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Lab Sample ID: 880-19130-A-12-F MSD
Matrix: Solid
Analysis Batch: 34439

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1	999	623.4	F1	mg/Kg		60	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	911.6		mg/Kg		89	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19130-A-12-F MSD
Matrix: Solid
Analysis Batch: 34439

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34495

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34502/1-A
Matrix: Solid
Analysis Batch: 34680

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			09/16/22 20:51	1

Lab Sample ID: LCS 880-34502/2-A
Matrix: Solid
Analysis Batch: 34680

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	253.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-34502/3-A
Matrix: Solid
Analysis Batch: 34680

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	254.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-19191-10 MS
Matrix: Solid
Analysis Batch: 34680

Client Sample ID: S-1 (5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	394		251	666.9		mg/Kg		109	90 - 110		

Lab Sample ID: 880-19191-10 MSD
Matrix: Solid
Analysis Batch: 34680

Client Sample ID: S-1 (5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	394		251	666.6		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-34504/1-A
Matrix: Solid
Analysis Batch: 34704

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			09/17/22 02:22	1

QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-34504/2-A
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.6		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-34504/3-A
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-19191-20 MS
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: S-4 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	49.4		250	295.8		mg/Kg		99	90 - 110		

Lab Sample ID: 880-19191-20 MSD
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: S-4 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.4		250	297.1		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 34410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34410/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 34555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	5035	
880-19191-3	S-1 (1.5)	Total/NA	Solid	5035	
880-19191-4	S-1 (2)	Total/NA	Solid	5035	
880-19191-5	S-1 (2.5)	Total/NA	Solid	5035	
880-19191-6	S-1 (3)	Total/NA	Solid	5035	
880-19191-7	S-1 (3.5)	Total/NA	Solid	5035	
880-19191-8	S-1 (4)	Total/NA	Solid	5035	
880-19191-9	S-1 (4.5)	Total/NA	Solid	5035	
880-19191-10	S-1 (5)	Total/NA	Solid	5035	
880-19191-11	S-1 (5.5)	Total/NA	Solid	5035	
880-19191-12	S-1 (6)	Total/NA	Solid	5035	
880-19191-13	S-1 (6.5)	Total/NA	Solid	5035	
880-19191-14	S-1 (7)	Total/NA	Solid	5035	
880-19191-15	S-2 (0-6")	Total/NA	Solid	5035	
880-19191-16	S-2 (1)	Total/NA	Solid	5035	
880-19191-17	S-2 (1.5)	Total/NA	Solid	5035	
880-19191-18	S-2 (2)	Total/NA	Solid	5035	
880-19191-19	S-3 (0-6")	Total/NA	Solid	5035	
880-19191-20	S-4 (0-6")	Total/NA	Solid	5035	
MB 880-34555/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34555/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34555/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19191-1 MS	S-1 (0-6")	Total/NA	Solid	5035	
880-19191-1 MSD	S-1 (0-6")	Total/NA	Solid	5035	

Prep Batch: 34556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	5035	
880-19191-22	H-2 (0-6")	Total/NA	Solid	5035	
880-19191-23	H-3 (0-6")	Total/NA	Solid	5035	
880-19191-24	H-4 (0-6")	Total/NA	Solid	5035	
880-19191-25	H-5 (0-6")	Total/NA	Solid	5035	
880-19191-26	H-6 (0-6")	Total/NA	Solid	5035	
MB 880-34556/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34556/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34556/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2885-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
890-2885-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34593/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 34644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8021B	34555
880-19191-3	S-1 (1.5)	Total/NA	Solid	8021B	34555

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 34644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-4	S-1 (2)	Total/NA	Solid	8021B	34555
880-19191-5	S-1 (2.5)	Total/NA	Solid	8021B	34555
880-19191-6	S-1 (3)	Total/NA	Solid	8021B	34555
880-19191-7	S-1 (3.5)	Total/NA	Solid	8021B	34555
880-19191-8	S-1 (4)	Total/NA	Solid	8021B	34555
880-19191-9	S-1 (4.5)	Total/NA	Solid	8021B	34555
880-19191-10	S-1 (5)	Total/NA	Solid	8021B	34555
880-19191-11	S-1 (5.5)	Total/NA	Solid	8021B	34555
880-19191-12	S-1 (6)	Total/NA	Solid	8021B	34555
880-19191-13	S-1 (6.5)	Total/NA	Solid	8021B	34555
880-19191-14	S-1 (7)	Total/NA	Solid	8021B	34555
880-19191-15	S-2 (0-6")	Total/NA	Solid	8021B	34555
880-19191-16	S-2 (1)	Total/NA	Solid	8021B	34555
880-19191-17	S-2 (1.5)	Total/NA	Solid	8021B	34555
880-19191-18	S-2 (2)	Total/NA	Solid	8021B	34555
880-19191-19	S-3 (0-6")	Total/NA	Solid	8021B	34555
880-19191-20	S-4 (0-6")	Total/NA	Solid	8021B	34555
MB 880-34555/5-A	Method Blank	Total/NA	Solid	8021B	34555
MB 880-34645/5-A	Method Blank	Total/NA	Solid	8021B	34645
LCS 880-34555/1-A	Lab Control Sample	Total/NA	Solid	8021B	34555
LCSD 880-34555/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34555
880-19191-1 MS	S-1 (0-6")	Total/NA	Solid	8021B	34555
880-19191-1 MSD	S-1 (0-6")	Total/NA	Solid	8021B	34555

Prep Batch: 34645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34645/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 34693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-2	S-1 (1)	Total/NA	Solid	5035	
MB 880-34693/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 34713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	8021B	34556
880-19191-22	H-2 (0-6")	Total/NA	Solid	8021B	34556
880-19191-23	H-3 (0-6")	Total/NA	Solid	8021B	34556
880-19191-24	H-4 (0-6")	Total/NA	Solid	8021B	34556
880-19191-25	H-5 (0-6")	Total/NA	Solid	8021B	34556
880-19191-26	H-6 (0-6")	Total/NA	Solid	8021B	34556
MB 880-34556/5-A	Method Blank	Total/NA	Solid	8021B	34556
MB 880-34593/5-A	Method Blank	Total/NA	Solid	8021B	34593
LCS 880-34556/1-A	Lab Control Sample	Total/NA	Solid	8021B	34556
LCSD 880-34556/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34556
890-2885-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	34556
890-2885-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34556

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 34745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-2	S-1 (1)	Total/NA	Solid	8021B	34693
MB 880-34410/5-B	Method Blank	Total/NA	Solid	8021B	34410
MB 880-34693/5-A	Method Blank	Total/NA	Solid	8021B	34693
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	8021B	34693
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34693
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	34693
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34693

Analysis Batch: 34759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-2	S-1 (1)	Total/NA	Solid	Total BTEX	
880-19191-3	S-1 (1.5)	Total/NA	Solid	Total BTEX	
880-19191-4	S-1 (2)	Total/NA	Solid	Total BTEX	
880-19191-5	S-1 (2.5)	Total/NA	Solid	Total BTEX	
880-19191-6	S-1 (3)	Total/NA	Solid	Total BTEX	
880-19191-7	S-1 (3.5)	Total/NA	Solid	Total BTEX	
880-19191-8	S-1 (4)	Total/NA	Solid	Total BTEX	
880-19191-9	S-1 (4.5)	Total/NA	Solid	Total BTEX	
880-19191-10	S-1 (5)	Total/NA	Solid	Total BTEX	
880-19191-11	S-1 (5.5)	Total/NA	Solid	Total BTEX	
880-19191-12	S-1 (6)	Total/NA	Solid	Total BTEX	
880-19191-13	S-1 (6.5)	Total/NA	Solid	Total BTEX	
880-19191-14	S-1 (7)	Total/NA	Solid	Total BTEX	
880-19191-15	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-16	S-2 (1)	Total/NA	Solid	Total BTEX	
880-19191-17	S-2 (1.5)	Total/NA	Solid	Total BTEX	
880-19191-18	S-2 (2)	Total/NA	Solid	Total BTEX	
880-19191-19	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-20	S-4 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-21	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-22	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-23	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-24	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-25	H-5 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-26	H-6 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8015B NM	34494
880-19191-2	S-1 (1)	Total/NA	Solid	8015B NM	34494
880-19191-3	S-1 (1.5)	Total/NA	Solid	8015B NM	34494
880-19191-4	S-1 (2)	Total/NA	Solid	8015B NM	34494
880-19191-5	S-1 (2.5)	Total/NA	Solid	8015B NM	34494
880-19191-6	S-1 (3)	Total/NA	Solid	8015B NM	34494
880-19191-7	S-1 (3.5)	Total/NA	Solid	8015B NM	34494
880-19191-8	S-1 (4)	Total/NA	Solid	8015B NM	34494
880-19191-9	S-1 (4.5)	Total/NA	Solid	8015B NM	34494
880-19191-10	S-1 (5)	Total/NA	Solid	8015B NM	34494

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 34437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-11	S-1 (5.5)	Total/NA	Solid	8015B NM	34494
880-19191-12	S-1 (6)	Total/NA	Solid	8015B NM	34494
880-19191-13	S-1 (6.5)	Total/NA	Solid	8015B NM	34494
880-19191-14	S-1 (7)	Total/NA	Solid	8015B NM	34494
880-19191-15	S-2 (0-6")	Total/NA	Solid	8015B NM	34494
880-19191-16	S-2 (1)	Total/NA	Solid	8015B NM	34494
880-19191-17	S-2 (1.5)	Total/NA	Solid	8015B NM	34494
880-19191-18	S-2 (2)	Total/NA	Solid	8015B NM	34494
880-19191-19	S-3 (0-6")	Total/NA	Solid	8015B NM	34494
880-19191-20	S-4 (0-6")	Total/NA	Solid	8015B NM	34494
MB 880-34494/1-A	Method Blank	Total/NA	Solid	8015B NM	34494
LCS 880-34494/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34494
LCSD 880-34494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34494
880-19191-7 MS	S-1 (3.5)	Total/NA	Solid	8015B NM	34494
880-19191-7 MSD	S-1 (3.5)	Total/NA	Solid	8015B NM	34494

Analysis Batch: 34439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-22	H-2 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-23	H-3 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-24	H-4 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-25	H-5 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-26	H-6 (0-6")	Total/NA	Solid	8015B NM	34495
MB 880-34495/1-A	Method Blank	Total/NA	Solid	8015B NM	34495
LCS 880-34495/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34495
LCSD 880-34495/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34495
880-19130-A-12-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34495
880-19130-A-12-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34495

Prep Batch: 34494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-2	S-1 (1)	Total/NA	Solid	8015NM Prep	
880-19191-3	S-1 (1.5)	Total/NA	Solid	8015NM Prep	
880-19191-4	S-1 (2)	Total/NA	Solid	8015NM Prep	
880-19191-5	S-1 (2.5)	Total/NA	Solid	8015NM Prep	
880-19191-6	S-1 (3)	Total/NA	Solid	8015NM Prep	
880-19191-7	S-1 (3.5)	Total/NA	Solid	8015NM Prep	
880-19191-8	S-1 (4)	Total/NA	Solid	8015NM Prep	
880-19191-9	S-1 (4.5)	Total/NA	Solid	8015NM Prep	
880-19191-10	S-1 (5)	Total/NA	Solid	8015NM Prep	
880-19191-11	S-1 (5.5)	Total/NA	Solid	8015NM Prep	
880-19191-12	S-1 (6)	Total/NA	Solid	8015NM Prep	
880-19191-13	S-1 (6.5)	Total/NA	Solid	8015NM Prep	
880-19191-14	S-1 (7)	Total/NA	Solid	8015NM Prep	
880-19191-15	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-16	S-2 (1)	Total/NA	Solid	8015NM Prep	
880-19191-17	S-2 (1.5)	Total/NA	Solid	8015NM Prep	
880-19191-18	S-2 (2)	Total/NA	Solid	8015NM Prep	
880-19191-19	S-3 (0-6")	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 34494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-20	S-4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-34494/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34494/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19191-7 MS	S-1 (3.5)	Total/NA	Solid	8015NM Prep	
880-19191-7 MSD	S-1 (3.5)	Total/NA	Solid	8015NM Prep	

Prep Batch: 34495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-22	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-23	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-24	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-25	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-26	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-34495/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34495/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34495/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19130-A-12-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19130-A-12-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-19191-2	S-1 (1)	Total/NA	Solid	8015 NM	
880-19191-3	S-1 (1.5)	Total/NA	Solid	8015 NM	
880-19191-4	S-1 (2)	Total/NA	Solid	8015 NM	
880-19191-5	S-1 (2.5)	Total/NA	Solid	8015 NM	
880-19191-6	S-1 (3)	Total/NA	Solid	8015 NM	
880-19191-7	S-1 (3.5)	Total/NA	Solid	8015 NM	
880-19191-8	S-1 (4)	Total/NA	Solid	8015 NM	
880-19191-9	S-1 (4.5)	Total/NA	Solid	8015 NM	
880-19191-10	S-1 (5)	Total/NA	Solid	8015 NM	
880-19191-11	S-1 (5.5)	Total/NA	Solid	8015 NM	
880-19191-12	S-1 (6)	Total/NA	Solid	8015 NM	
880-19191-13	S-1 (6.5)	Total/NA	Solid	8015 NM	
880-19191-14	S-1 (7)	Total/NA	Solid	8015 NM	
880-19191-15	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-19191-16	S-2 (1)	Total/NA	Solid	8015 NM	
880-19191-17	S-2 (1.5)	Total/NA	Solid	8015 NM	
880-19191-18	S-2 (2)	Total/NA	Solid	8015 NM	
880-19191-19	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-19191-20	S-4 (0-6")	Total/NA	Solid	8015 NM	
880-19191-21	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-19191-22	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-19191-23	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-19191-24	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-19191-25	H-5 (0-6")	Total/NA	Solid	8015 NM	
880-19191-26	H-6 (0-6")	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 34502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-19191-2	S-1 (1)	Soluble	Solid	DI Leach	
880-19191-3	S-1 (1.5)	Soluble	Solid	DI Leach	
880-19191-4	S-1 (2)	Soluble	Solid	DI Leach	
880-19191-5	S-1 (2.5)	Soluble	Solid	DI Leach	
880-19191-6	S-1 (3)	Soluble	Solid	DI Leach	
880-19191-7	S-1 (3.5)	Soluble	Solid	DI Leach	
880-19191-8	S-1 (4)	Soluble	Solid	DI Leach	
880-19191-9	S-1 (4.5)	Soluble	Solid	DI Leach	
880-19191-10	S-1 (5)	Soluble	Solid	DI Leach	
880-19191-11	S-1 (5.5)	Soluble	Solid	DI Leach	
880-19191-12	S-1 (6)	Soluble	Solid	DI Leach	
880-19191-13	S-1 (6.5)	Soluble	Solid	DI Leach	
880-19191-14	S-1 (7)	Soluble	Solid	DI Leach	
880-19191-15	S-2 (0-6")	Soluble	Solid	DI Leach	
880-19191-16	S-2 (1)	Soluble	Solid	DI Leach	
880-19191-17	S-2 (1.5)	Soluble	Solid	DI Leach	
880-19191-18	S-2 (2)	Soluble	Solid	DI Leach	
880-19191-19	S-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-34502/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34502/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34502/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19191-10 MS	S-1 (5)	Soluble	Solid	DI Leach	
880-19191-10 MSD	S-1 (5)	Soluble	Solid	DI Leach	

Leach Batch: 34504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-20	S-4 (0-6")	Soluble	Solid	DI Leach	
880-19191-21	H-1 (0-6")	Soluble	Solid	DI Leach	
880-19191-22	H-2 (0-6")	Soluble	Solid	DI Leach	
880-19191-23	H-3 (0-6")	Soluble	Solid	DI Leach	
880-19191-24	H-4 (0-6")	Soluble	Solid	DI Leach	
880-19191-25	H-5 (0-6")	Soluble	Solid	DI Leach	
880-19191-26	H-6 (0-6")	Soluble	Solid	DI Leach	
MB 880-34504/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34504/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34504/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19191-20 MS	S-4 (0-6")	Soluble	Solid	DI Leach	
880-19191-20 MSD	S-4 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 34680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Soluble	Solid	300.0	34502
880-19191-2	S-1 (1)	Soluble	Solid	300.0	34502
880-19191-3	S-1 (1.5)	Soluble	Solid	300.0	34502
880-19191-4	S-1 (2)	Soluble	Solid	300.0	34502
880-19191-5	S-1 (2.5)	Soluble	Solid	300.0	34502
880-19191-6	S-1 (3)	Soluble	Solid	300.0	34502
880-19191-7	S-1 (3.5)	Soluble	Solid	300.0	34502
880-19191-8	S-1 (4)	Soluble	Solid	300.0	34502
880-19191-9	S-1 (4.5)	Soluble	Solid	300.0	34502

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 34680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-10	S-1 (5)	Soluble	Solid	300.0	34502
880-19191-11	S-1 (5.5)	Soluble	Solid	300.0	34502
880-19191-12	S-1 (6)	Soluble	Solid	300.0	34502
880-19191-13	S-1 (6.5)	Soluble	Solid	300.0	34502
880-19191-14	S-1 (7)	Soluble	Solid	300.0	34502
880-19191-15	S-2 (0-6")	Soluble	Solid	300.0	34502
880-19191-16	S-2 (1)	Soluble	Solid	300.0	34502
880-19191-17	S-2 (1.5)	Soluble	Solid	300.0	34502
880-19191-18	S-2 (2)	Soluble	Solid	300.0	34502
880-19191-19	S-3 (0-6")	Soluble	Solid	300.0	34502
MB 880-34502/1-A	Method Blank	Soluble	Solid	300.0	34502
LCS 880-34502/2-A	Lab Control Sample	Soluble	Solid	300.0	34502
LCSD 880-34502/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34502
880-19191-10 MS	S-1 (5)	Soluble	Solid	300.0	34502
880-19191-10 MSD	S-1 (5)	Soluble	Solid	300.0	34502

Analysis Batch: 34704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-20	S-4 (0-6")	Soluble	Solid	300.0	34504
880-19191-21	H-1 (0-6")	Soluble	Solid	300.0	34504
880-19191-22	H-2 (0-6")	Soluble	Solid	300.0	34504
880-19191-23	H-3 (0-6")	Soluble	Solid	300.0	34504
880-19191-24	H-4 (0-6")	Soluble	Solid	300.0	34504
880-19191-25	H-5 (0-6")	Soluble	Solid	300.0	34504
880-19191-26	H-6 (0-6")	Soluble	Solid	300.0	34504
MB 880-34504/1-A	Method Blank	Soluble	Solid	300.0	34504
LCS 880-34504/2-A	Lab Control Sample	Soluble	Solid	300.0	34504
LCSD 880-34504/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34504
880-19191-20 MS	S-4 (0-6")	Soluble	Solid	300.0	34504
880-19191-20 MSD	S-4 (0-6")	Soluble	Solid	300.0	34504

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19191-1
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 02:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 02:50	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:20	CH	EET MID

Client Sample ID: S-1 (1)

Lab Sample ID: 880-19191-2
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34693	09/16/22 16:25	MR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	34745	09/19/22 11:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 03:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:25	CH	EET MID

Client Sample ID: S-1 (1.5)

Lab Sample ID: 880-19191-3
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 03:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 03:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:30	CH	EET MID

Client Sample ID: S-1 (2)

Lab Sample ID: 880-19191-4
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 03:39	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-4
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			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 04:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:35	CH	EET MID

Client Sample ID: S-1 (2.5)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-5
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			5.01 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 03:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 03:53	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:49	CH	EET MID

Client Sample ID: S-1 (3)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-6
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			5.03 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 04:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 02:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:54	CH	EET MID

Client Sample ID: S-1 (3.5)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-7
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			5.04 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 04:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 20:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3.5)

Lab Sample ID: 880-19191-7
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:59	CH	EET MID

Client Sample ID: S-1 (4)

Lab Sample ID: 880-19191-8
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 05:21	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 04:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:04	CH	EET MID

Client Sample ID: S-1 (4.5)

Lab Sample ID: 880-19191-9
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 05:41	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:09	CH	EET MID

Client Sample ID: S-1 (5)

Lab Sample ID: 880-19191-10
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 05:01	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 00:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:13	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (5.5)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 09:34	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 00:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:28	CH	EET MID

Client Sample ID: S-1 (6)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 09:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:33	CH	EET MID

Client Sample ID: S-1 (6.5)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 10:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 01:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		10			34680	09/16/22 22:47	CH	EET MID

Client Sample ID: S-1 (7)
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 10:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (7)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 01:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		10			34680	09/16/22 22:52	CH	EET MID

Client Sample ID: S-2 (0-6")

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-15

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 07:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 21:51	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:57	CH	EET MID

Client Sample ID: S-2 (1)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-16

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 07:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 00:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:02	CH	EET MID

Client Sample ID: S-2 (1.5)

Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 08:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 22:13	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5)

Lab Sample ID: 880-19191-17
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:07	CH	EET MID

Client Sample ID: S-2 (2)

Lab Sample ID: 880-19191-18
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 08:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 22:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:12	CH	EET MID

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-19191-19
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 08:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:17	CH	EET MID

Client Sample ID: S-4 (0-6")

Lab Sample ID: 880-19191-20
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 09:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 02:36	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-19191-21
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 08:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 22:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 02:51	CH	EET MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-19191-22
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 08:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 02:56	CH	EET MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-19191-23
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 09:04	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:01	CH	EET MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-19191-24
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 09:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-19191-24
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 23:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:06	CH	EET MID

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-19191-25
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 09:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/15/22 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:20	CH	EET MID

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-19191-26
Matrix: Solid
Date Collected: 09/13/22 00:00
Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 10:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/15/22 00:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:25	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: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	OII 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: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19191-1	S-1 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-2	S-1 (1)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-3	S-1 (1.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-4	S-1 (2)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-5	S-1 (2.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-6	S-1 (3)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-7	S-1 (3.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-8	S-1 (4)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-9	S-1 (4.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-10	S-1 (5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-11	S-1 (5.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-12	S-1 (6)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-13	S-1 (6.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-14	S-1 (7)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-15	S-2 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-16	S-2 (1)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-17	S-2 (1.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-18	S-2 (2)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-19	S-3 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-20	S-4 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-21	H-1 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-22	H-2 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-23	H-3 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-24	H-4 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-25	H-5 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-26	H-6 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00

Work Order No: 19191

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Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address.	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph vargo@nglep com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Big Eddy SWD	Turn Around	
Project Number	1105	☐ Routine	☑ Rush
Project Location	Lea Co, NM	Due Date	72 Hrs
Sampler's Name	CCM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	IR8 .20
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	+0.3
Total Containers		Corrected Temperature	0.5

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3. HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

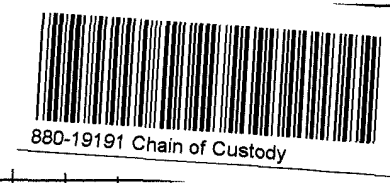
$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (0-6")	9/13/2022		X		G	1		X	X	X		
S-1 (1)	9/13/2022		X		G	1		X	X	X		
S-1 (1 5)	9/13/2022		X		G	1		X	X	X		
S-1 (2)	9/13/2022		X		G	1		X	X	X		
S-1 (2 5)	9/13/2022		X		G	1		X	X	X		
S-1 (3)	9/13/2022		X		G	1		X	X	X		
S-1 (3 5)	9/13/2022		X		G	1		X	X	X		
S-1 (4)	9/13/2022		X		G	1		X	X	X		
S-1 (4 5)	9/13/2022		X		G	1		X	X	X		
S-1 (5)	9/13/2022		X		G	1		X	X	X		



Relinquished by. (Signature)	Date/Time	Received by (Signature)	Date/Time
	9/13/22 10AM		

Work Order No: 19191

Project Manager	Conner Moehring	Bill to. (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address.	310 W Wall St Ste 415	Address.	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone.	432 813 6823	Email	joseph vargo@nglep com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Big Eddy SWD	Turn Around	
Project Number	1105	☐ Routine	☑ Rush
Project Location	Lea Co, NM	Due Date	72 Hrs
Sampler's Name	CCM	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice.	Yes No
Received Intact:	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.	

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3. HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (5 5)	9/13/2022		X		G	1			X	X	X		
S-1 (6)	9/13/2022		X		G	1			X	X	X		
S-1 (6 5)	9/13/2022		X		G	1			X	X	X		
S-1 (7)	9/13/2022		X		G	1			X	X	X		
S-2 (0-6")	9/13/2022		X		G	1			X	X	X		
S-2 (1)	9/13/2022		X		G	1			X	X	X		
S-2 (1 5)	9/13/2022		X		G	1			X	X	X		
S-2 (2)	9/13/2022		X		G	1			X	X	X		
S-3 (0-6")	9/13/2022		X		G	1			X	X	X		
S-4 (0-6")	9/13/2022		X		G	1			X	X	X		

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9/13/22 10AM		

Work Order No: 19191

Page 3 of 3

Project Manager	Conner Moehring	Bill to. (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address.	310 W Wall St Ste 415	Address.	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph.vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name.	Big Eddy SWD	Turn Around	
Project Number	1105	☐ Routine	☑ Rush
Project Location	Lea Co, NM	Due Date	72 Hrs
Sampler's Name	CCM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact:	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		

ANALYSIS REQUEST

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$. $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-1 (0-6")	9/13/2022		X		G	1			X	X	X		
H-2 (0-6")	9/13/2022		X		G	1			X	X	X		
H-3 (0-6")	9/13/2022		X		G	1			X	X	X		
H-4 (0-6")	9/13/2022		X		G	1			X	X	X		
H-5 (0-6")	9/13/2022		X		G	1			X	X	X		
H-6 (0-6")	9/13/2022		X		G	1			X	X	X		

Loc: 880
19191

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/13/22 10AM		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19191-1
SDG Number: Lea Co, NM

Login Number: 19191
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-20420-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Big Eddy SWD

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

JKramer

Authorized for release by:
10/19/2022 1:02:56 PM

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

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

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

Client: Carmona Resources
Project/Site: Big Eddy SWD

Laboratory Job ID: 880-20420-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Job ID: 880-20420-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-20420-1

Receipt
The samples were received on 10/17/2022 9:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-20420-1), T-1 (1.5') (880-20420-2), T-1 (2') (880-20420-3), T-1 (3') (880-20420-4), T-1 (4') (880-20420-5), T-1 (5') (880-20420-6), T-1 (6') (880-20420-7), T-1 (7') (880-20420-8), T-1 (8') (880-20420-9), T-2 (0-0.5') (880-20420-10) and T-2 (0.5-1') (880-20420-11).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-37093 and analytical batch 880-37184 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-1 (0-1') (880-20420-1). 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: T-1 (2') (880-20420-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (4') (880-20420-5) and T-1 (5') (880-20420-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-37093 and analytical batch 880-37184 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (0-0.5') (880-20420-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (0.5-1') (880-20420-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-37126 and analytical batch 880-37035 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) 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: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		10/17/22 09:35	10/18/22 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*10/17/22 09:35*	*10/18/22 11:17*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/17/22 09:35*	*10/18/22 11:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**380**		49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1
Diesel Range Organics (Over C10-C28)	**380**		49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1
Total TPH	**380**		49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/17/22 10:20*	*10/17/22 12:54*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/17/22 10:20*	*10/17/22 12:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.8**		4.98		mg/Kg			10/17/22 15:30	1

Client Sample ID: T-1 (1.5')

Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
o-Xylene	**0.00205**		0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/22 09:35	10/18/22 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/17/22 09:35*	*10/18/22 11:38*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/17/22 09:35*	*10/18/22 11:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-20420-2
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*10/17/22 10:20*	*10/17/22 13:16*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/17/22 10:20*	*10/17/22 13:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.02		mg/Kg			10/17/22 15:34	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-20420-3
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
Ethylbenzene	**0.00333**		0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
m-Xylene & p-Xylene	**0.0188**		0.00401		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
o-Xylene	**0.0105**		0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
Xylenes, Total	**0.0293**		0.00401		mg/Kg		10/17/22 09:35	10/18/22 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*10/17/22 09:35*	*10/18/22 11:58*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/17/22 09:35*	*10/18/22 11:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0326**		0.00401		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1
Total TPH	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*10/17/22 10:20*	*10/17/22 13:37*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/17/22 10:20*	*10/17/22 13:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.1**		5.05		mg/Kg			10/17/22 15:39	1

Client Sample ID: T-1 (3')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/17/22 09:35	10/18/22 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/17/22 09:35*	*10/18/22 12:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/17/22 09:35*	*10/18/22 12:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*10/17/22 10:20*	*10/17/22 11:50*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/17/22 10:20*	*10/17/22 11:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-4
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.2**		4.99		mg/Kg			10/17/22 15:54	1

Client Sample ID: T-1 (4')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.208**		0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Toluene	<0.0399	U	0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Ethylbenzene	**1.06**		0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
m-Xylene & p-Xylene	**1.28**		0.0798		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
o-Xylene	<0.0399	U	0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Xylenes, Total	**1.28**		0.0798		mg/Kg		10/17/22 09:35	10/18/22 13:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*215*	*S1+*	*70 - 130*	*10/17/22 09:35*	*10/18/22 13:42*	*20*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*10/17/22 09:35*	*10/18/22 13:42*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**2.55**		0.0798		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*10/17/22 10:20*	*10/17/22 13:59*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/17/22 10:20*	*10/17/22 13:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		4.97		mg/Kg			10/17/22 15:59	1

Client Sample ID: T-1 (5')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.269**		0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
Toluene	<0.0398	U	0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (5')

Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.808**		0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
m-Xylene & p-Xylene	**2.13**		0.0797		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
Xylenes, Total	**2.13**		0.0797		mg/Kg		10/17/22 09:35	10/18/22 14:03	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*70 - 130*	*10/17/22 09:35*	*10/18/22 14:03*	*20*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/17/22 09:35*	*10/18/22 14:03*	*20*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.21**		0.0797		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*10/17/22 10:20*	*10/17/22 14:20*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/17/22 10:20*	*10/17/22 14:20*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**		4.96		mg/Kg			10/17/22 16:04	1

Client Sample ID: T-1 (6')

Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
m-Xylene & p-Xylene	**0.0187**		0.00401		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
o-Xylene	**0.0133**		0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Xylenes, Total	**0.0320**		0.00401		mg/Kg		10/17/22 09:35	10/18/22 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/17/22 09:35*	*10/18/22 12:40*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/17/22 09:35*	*10/18/22 12:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (6')

Lab Sample ID: 880-20420-7
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0320**		0.00401		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*10/17/22 10:20*	*10/17/22 14:42*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/17/22 10:20*	*10/17/22 14:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		5.02		mg/Kg			10/17/22 16:09	1

Client Sample ID: T-1 (7')

Lab Sample ID: 880-20420-8
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/22 09:35	10/18/22 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*10/17/22 09:35*	*10/18/22 13:01*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/17/22 09:35*	*10/18/22 13:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (7')

Lab Sample ID: 880-20420-8
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*10/17/22 10:20*	*10/17/22 15:03*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/17/22 10:20*	*10/17/22 15:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1110**		25.2		mg/Kg			10/17/22 16:13	5

Client Sample ID: T-1 (8')

Lab Sample ID: 880-20420-9
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/17/22 09:35	10/18/22 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/17/22 09:35*	*10/18/22 13:21*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/17/22 09:35*	*10/18/22 13:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
Total TPH	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/17/22 10:20*	*10/17/22 15:24*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/17/22 10:20*	*10/17/22 15:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (8')
Lab Sample ID: 880-20420-9
Date Collected: 10/14/22 00:00
Matrix: Solid
Date Received: 10/17/22 09:23

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**		5.05		mg/Kg			10/17/22 16:18	1

Client Sample ID: T-2 (0-0.5')
Lab Sample ID: 880-20420-10
Date Collected: 10/14/22 00:00
Matrix: Solid
Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/18/22 08:29	10/18/22 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*0*	*S1-*	*70 - 130*	*10/18/22 08:29*	*10/18/22 11:57*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/18/22 08:29*	*10/18/22 11:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/18/22 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**348**		49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1
Diesel Range Organics (Over C10-C28)	**348**		49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1
Total TPH	**348**		49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/17/22 10:20*	*10/17/22 15:46*	*1*
o-Terphenyl	*89*		*70 - 130*	*10/17/22 10:20*	*10/17/22 15:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15000**		249		mg/Kg			10/17/22 16:33	50

Client Sample ID: T-2 (0.5-1')
Lab Sample ID: 880-20420-11
Date Collected: 10/14/22 00:00
Matrix: Solid
Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0.5-1')

Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/22 08:29	10/18/22 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/18/22 08:29*	*10/18/22 11:37*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/18/22 08:29*	*10/18/22 11:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/22 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**632**		50.0		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Diesel Range Organics (Over C10-C28)	**632**		50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Total TPH	**632**		50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*10/17/22 10:20*	*10/17/22 16:29*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/17/22 10:20*	*10/17/22 16:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		4.98		mg/Kg			10/17/22 16:38	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-20420-1	T-1 (0-1')	132 S1+	88
880-20420-1 MS	T-1 (0-1')	112	89
880-20420-1 MSD	T-1 (0-1')	106	85
880-20420-2	T-1 (1.5')	119	83
880-20420-3	T-1 (2')	150 S1+	80
880-20420-4	T-1 (3')	120	88
880-20420-5	T-1 (4')	215 S1+	87
880-20420-6	T-1 (5')	180 S1+	93
880-20420-7	T-1 (6')	116	84
880-20420-8	T-1 (7')	117	96
880-20420-9	T-1 (8')	119	95
880-20420-10	T-2 (0-0.5')	0 S1-	92
880-20420-11	T-2 (0.5-1')	93	97
880-20420-11 MS	T-2 (0.5-1')	91	107
880-20420-11 MSD	T-2 (0.5-1')	115	106
LCS 880-37093/1-A	Lab Control Sample	90	89
LCS 880-37187/1-A	Lab Control Sample	108	101
LCSD 880-37093/2-A	Lab Control Sample Dup	93	87
LCSD 880-37187/2-A	Lab Control Sample Dup	91	112
MB 880-37093/5-A	Method Blank	105	86
MB 880-37187/5-A	Method Blank	82	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-20420-1	T-1 (0-1')	105	88
880-20420-2	T-1 (1.5')	114	96
880-20420-3	T-1 (2')	126	109
880-20420-4	T-1 (3')	123	106
880-20420-4 MS	T-1 (3')	104	87
880-20420-4 MSD	T-1 (3')	99	80
880-20420-5	T-1 (4')	118	101
880-20420-6	T-1 (5')	121	102
880-20420-7	T-1 (6')	115	99
880-20420-8	T-1 (7')	117	100
880-20420-9	T-1 (8')	113	100
880-20420-10	T-2 (0-0.5')	107	89
880-20420-11	T-2 (0.5-1')	134 S1+	114
LCS 880-37126/2-A	Lab Control Sample	82	80
LCSD 880-37126/3-A	Lab Control Sample Dup	83	81
MB 880-37126/1-A	Method Blank	124	110

Surrogate Legend

1CO = 1-Chlorooctane

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-37093/5-A
Matrix: Solid
Analysis Batch: 37184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/17/22 09:35	10/18/22 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/17/22 09:35*	*10/18/22 10:56*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/17/22 09:35*	*10/18/22 10:56*	*1*

Lab Sample ID: LCS 880-37093/1-A
Matrix: Solid
Analysis Batch: 37184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2105		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-37093/2-A
Matrix: Solid
Analysis Batch: 37184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	3	35
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	7	35
Ethylbenzene	0.100	0.09792		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-20420-1 MS
Matrix: Solid
Analysis Batch: 37184

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 37093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.04650	F1	mg/Kg		46	70 - 130
Toluene	<0.00201	U F1	0.100	0.03999	F1	mg/Kg		39	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-1 MS
Matrix: Solid
Analysis Batch: 37184

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 37093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene	<0.00201	U F1	0.100	0.04074	F1	mg/Kg		41	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.02754	F1	mg/Kg		14	70 - 130		
o-Xylene	<0.00201	U F1	0.100	0.05489	F1	mg/Kg		55	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-20420-1 MSD
Matrix: Solid
Analysis Batch: 37184

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 37093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0998	0.05584	F1	mg/Kg		56	70 - 130	18	35
Toluene	<0.00201	U F1	0.0998	0.04904	F1	mg/Kg		49	70 - 130	20	35
Ethylbenzene	<0.00201	U F1	0.0998	0.04966	F1	mg/Kg		50	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.04292	F2 F1	mg/Kg		22	70 - 130	44	35
o-Xylene	<0.00201	U F1	0.0998	0.06151	F1	mg/Kg		62	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: MB 880-37187/5-A
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/22 08:29	10/18/22 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*10/18/22 08:29*	*10/18/22 10:54*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/18/22 08:29*	*10/18/22 10:54*	*1*

Lab Sample ID: LCS 880-37187/1-A
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1065		mg/Kg		107	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1126		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2390		mg/Kg		120	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-37187/1-A
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37187

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1175		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-37187/2-A
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37187

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1219		mg/Kg		122	70 - 130	13	35
Toluene			0.100	0.1041		mg/Kg		104	70 - 130	2	35
Ethylbenzene			0.100	0.09897		mg/Kg		99	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2004		mg/Kg		100	70 - 130	18	35
o-Xylene			0.100	0.09840		mg/Kg		98	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-20420-11 MS
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: T-2 (0.5-1')
Prep Type: Total/NA
Prep Batch: 37187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09868		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.100	0.09554		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09684		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1854		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09157		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-20420-11 MSD
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: T-2 (0.5-1')
Prep Type: Total/NA
Prep Batch: 37187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.1005		mg/Kg		101	70 - 130	2	35
Toluene	<0.00200	U	0.0998	0.1013		mg/Kg		101	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0998	0.1066		mg/Kg		107	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2320		mg/Kg		116	70 - 130	22	35
o-Xylene	<0.00200	U	0.0998	0.1138		mg/Kg		114	70 - 130	22	35

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-11 MSD
Matrix: Solid
Analysis Batch: 37185

Client Sample ID: T-2 (0.5-1')
Prep Type: Total/NA
Prep Batch: 37187

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-37126/1-A
Matrix: Solid
Analysis Batch: 37035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1
OIl Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	10/17/22 10:20	10/17/22 10:46	1
o-Terphenyl	110		70 - 130	10/17/22 10:20	10/17/22 10:46	1

Lab Sample ID: LCS 880-37126/2-A
Matrix: Solid
Analysis Batch: 37035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	825.5		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	881.6		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: LCSD 880-37126/3-A
Matrix: Solid
Analysis Batch: 37035

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37126

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	755.2		mg/Kg		76	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	889.9		mg/Kg		89	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	81		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-4 MS
Matrix: Solid
Analysis Batch: 37035

Client Sample ID: T-1 (3')
Prep Type: Total/NA
Prep Batch: 37126

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	979.1		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	983.6		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: 880-20420-4 MSD
Matrix: Solid
Analysis Batch: 37035

Client Sample ID: T-1 (3')
Prep Type: Total/NA
Prep Batch: 37126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	869.6		mg/Kg		87	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	924.2		mg/Kg		90	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-37060/1-A
Matrix: Solid
Analysis Batch: 37162

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/17/22 14:55	1

Lab Sample ID: LCS 880-37060/2-A
Matrix: Solid
Analysis Batch: 37162

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-37060/3-A
Matrix: Solid
Analysis Batch: 37162

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	243.7		mg/Kg		97	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-20420-9 MS
Matrix: Solid
Analysis Batch: 37162

Client Sample ID: T-1 (8')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	314		253	542.1		mg/Kg		90	90 - 110		

Lab Sample ID: 880-20420-9 MSD
Matrix: Solid
Analysis Batch: 37162

Client Sample ID: T-1 (8')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	314		253	541.6		mg/Kg		90	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 37093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	5035	
880-20420-2	T-1 (1.5')	Total/NA	Solid	5035	
880-20420-3	T-1 (2')	Total/NA	Solid	5035	
880-20420-4	T-1 (3')	Total/NA	Solid	5035	
880-20420-5	T-1 (4')	Total/NA	Solid	5035	
880-20420-6	T-1 (5')	Total/NA	Solid	5035	
880-20420-7	T-1 (6')	Total/NA	Solid	5035	
880-20420-8	T-1 (7')	Total/NA	Solid	5035	
880-20420-9	T-1 (8')	Total/NA	Solid	5035	
MB 880-37093/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37093/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37093/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20420-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-20420-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 37184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8021B	37093
880-20420-2	T-1 (1.5')	Total/NA	Solid	8021B	37093
880-20420-3	T-1 (2')	Total/NA	Solid	8021B	37093
880-20420-4	T-1 (3')	Total/NA	Solid	8021B	37093
880-20420-5	T-1 (4')	Total/NA	Solid	8021B	37093
880-20420-6	T-1 (5')	Total/NA	Solid	8021B	37093
880-20420-7	T-1 (6')	Total/NA	Solid	8021B	37093
880-20420-8	T-1 (7')	Total/NA	Solid	8021B	37093
880-20420-9	T-1 (8')	Total/NA	Solid	8021B	37093
MB 880-37093/5-A	Method Blank	Total/NA	Solid	8021B	37093
LCS 880-37093/1-A	Lab Control Sample	Total/NA	Solid	8021B	37093
LCSD 880-37093/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37093
880-20420-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	37093
880-20420-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	37093

Analysis Batch: 37185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8021B	37187
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8021B	37187
MB 880-37187/5-A	Method Blank	Total/NA	Solid	8021B	37187
LCS 880-37187/1-A	Lab Control Sample	Total/NA	Solid	8021B	37187
LCSD 880-37187/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37187
880-20420-11 MS	T-2 (0.5-1')	Total/NA	Solid	8021B	37187
880-20420-11 MSD	T-2 (0.5-1')	Total/NA	Solid	8021B	37187

Prep Batch: 37187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	5035	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	5035	
MB 880-37187/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37187/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37187/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20420-11 MS	T-2 (0.5-1')	Total/NA	Solid	5035	
880-20420-11 MSD	T-2 (0.5-1')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 37244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-20420-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-20420-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-20420-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-20420-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-20420-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-20420-7	T-1 (6')	Total/NA	Solid	Total BTEX	
880-20420-8	T-1 (7')	Total/NA	Solid	Total BTEX	
880-20420-9	T-1 (8')	Total/NA	Solid	Total BTEX	
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 37035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8015B NM	37126
880-20420-2	T-1 (1.5')	Total/NA	Solid	8015B NM	37126
880-20420-3	T-1 (2')	Total/NA	Solid	8015B NM	37126
880-20420-4	T-1 (3')	Total/NA	Solid	8015B NM	37126
880-20420-5	T-1 (4')	Total/NA	Solid	8015B NM	37126
880-20420-6	T-1 (5')	Total/NA	Solid	8015B NM	37126
880-20420-7	T-1 (6')	Total/NA	Solid	8015B NM	37126
880-20420-8	T-1 (7')	Total/NA	Solid	8015B NM	37126
880-20420-9	T-1 (8')	Total/NA	Solid	8015B NM	37126
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8015B NM	37126
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8015B NM	37126
MB 880-37126/1-A	Method Blank	Total/NA	Solid	8015B NM	37126
LCS 880-37126/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37126
LCSD 880-37126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37126
880-20420-4 MS	T-1 (3')	Total/NA	Solid	8015B NM	37126
880-20420-4 MSD	T-1 (3')	Total/NA	Solid	8015B NM	37126

Prep Batch: 37126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-20420-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-20420-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-20420-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-20420-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-20420-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-20420-7	T-1 (6')	Total/NA	Solid	8015NM Prep	
880-20420-8	T-1 (7')	Total/NA	Solid	8015NM Prep	
880-20420-9	T-1 (8')	Total/NA	Solid	8015NM Prep	
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8015NM Prep	
MB 880-37126/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37126/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-20420-4 MS	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-20420-4 MSD	T-1 (3')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 37210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-20420-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-20420-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-20420-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-20420-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-20420-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-20420-7	T-1 (6')	Total/NA	Solid	8015 NM	
880-20420-8	T-1 (7')	Total/NA	Solid	8015 NM	
880-20420-9	T-1 (8')	Total/NA	Solid	8015 NM	
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-20420-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-20420-3	T-1 (2')	Soluble	Solid	DI Leach	
880-20420-4	T-1 (3')	Soluble	Solid	DI Leach	
880-20420-5	T-1 (4')	Soluble	Solid	DI Leach	
880-20420-6	T-1 (5')	Soluble	Solid	DI Leach	
880-20420-7	T-1 (6')	Soluble	Solid	DI Leach	
880-20420-8	T-1 (7')	Soluble	Solid	DI Leach	
880-20420-9	T-1 (8')	Soluble	Solid	DI Leach	
880-20420-10	T-2 (0-0.5')	Soluble	Solid	DI Leach	
880-20420-11	T-2 (0.5-1')	Soluble	Solid	DI Leach	
MB 880-37060/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37060/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37060/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20420-9 MS	T-1 (8')	Soluble	Solid	DI Leach	
880-20420-9 MSD	T-1 (8')	Soluble	Solid	DI Leach	

Analysis Batch: 37162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Soluble	Solid	300.0	37060
880-20420-2	T-1 (1.5')	Soluble	Solid	300.0	37060
880-20420-3	T-1 (2')	Soluble	Solid	300.0	37060
880-20420-4	T-1 (3')	Soluble	Solid	300.0	37060
880-20420-5	T-1 (4')	Soluble	Solid	300.0	37060
880-20420-6	T-1 (5')	Soluble	Solid	300.0	37060
880-20420-7	T-1 (6')	Soluble	Solid	300.0	37060
880-20420-8	T-1 (7')	Soluble	Solid	300.0	37060
880-20420-9	T-1 (8')	Soluble	Solid	300.0	37060
880-20420-10	T-2 (0-0.5')	Soluble	Solid	300.0	37060
880-20420-11	T-2 (0.5-1')	Soluble	Solid	300.0	37060
MB 880-37060/1-A	Method Blank	Soluble	Solid	300.0	37060
LCS 880-37060/2-A	Lab Control Sample	Soluble	Solid	300.0	37060
LCSD 880-37060/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37060
880-20420-9 MS	T-1 (8')	Soluble	Solid	300.0	37060
880-20420-9 MSD	T-1 (8')	Soluble	Solid	300.0	37060

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-1
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 11:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 12:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:30	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-20420-2
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 11:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 13:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:34	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-20420-3
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 13:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:39	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-20420-4
Matrix: Solid
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-4
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			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 11:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:54	CH	EET MID

Client Sample ID: T-1 (4')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-5
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			5.01 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	37184	10/18/22 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 13:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:59	CH	EET MID

Client Sample ID: T-1 (5')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-6
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			5.02 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	37184	10/18/22 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 14:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:04	CH	EET MID

Client Sample ID: T-1 (6')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-7
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			4.99 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 12:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 14:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (6')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:09	CH	EET MID

Client Sample ID: T-1 (7')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 13:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 15:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		5			37162	10/17/22 16:13	CH	EET MID

Client Sample ID: T-1 (8')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 13:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 15:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:18	CH	EET MID

Client Sample ID: T-2 (0-0.5')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	37187	10/18/22 08:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/18/22 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		50			37162	10/17/22 16:33	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0.5-1')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37187	10/18/22 08:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/18/22 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 16:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:38	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: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-20420-1	T-1 (0-1')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-2	T-1 (1.5')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-3	T-1 (2')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-4	T-1 (3')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-5	T-1 (4')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-6	T-1 (5')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-7	T-1 (6')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-8	T-1 (7')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-9	T-1 (8')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-10	T-2 (0-0.5')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-11	T-2 (0.5-1')	Solid	10/14/22 00:00	10/17/22 09:23

Work Order No: 20426

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address.	310 W Wall St Ste 415	Address.	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph.vargo@nglep.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Big Eddy SWD	Turn Around	
Project Number	1105	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date 24 72 Hrs	
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals	Yes No N/A	Correction Factor	-.20
Sample Custody Seals.	Yes No N/A	Temperature Reading	0.8
Total Containers		Corrected Temperature	1.0

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-1 (0-1')	10/14/2022		X		G	1		X	X	X		
T-1 (1 5')	10/14/2022		X		G	1		X	X	X		
T-1 (2')	10/14/2022		X		G	1		X	X	X		
T-1 (3')	10/14/2022		X		G	1		X	X	X		
T-1 (4')	10/14/2022		X		G	1		X	X	X		
T-1 (5')	10/14/2022		X		G	1		X	X	X		
T-1 (6')	10/14/2022		X		G	1		X	X	X		
T-1 (7')	10/14/2022		X		G	1		X	X	X		
T-1 (8')	10/14/2022		X		G	1		X	X	X		
T-2 (0-0 5')	10/14/2022		X		G	1		X	X	X		

880-20420 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10/17/22 923		

Work Order No: 20420

10/19/2022

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph vargo@nglep com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project.

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Big Eddy SWD	Turn Around	
Project Number	1105	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	24 ~~72~~ Hrs
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact:	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		

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3. HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
T-2 (0 5-1')	10/14/2022		X		G	1		X	X	X		

Parameters

Loc: 8 0
20420

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10/17/22 423		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-20420-1
SDG Number: Lea Co, NM

Login Number: 20420
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 152236

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 152236
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	• Must provide a grab sample plan of the remediation area, where each composite sample is not representative of more than 200 ft2. • The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC or constituents from other applicable remediation standards.	1/10/2023