



SITE INFORMATION

Closure Report
Moutray SWD (04.09.2024)
Incident # NAPP2410047011
Eddy County, New Mexico
Unit A Sec 28 T24S R29E
32.195458°, -103.984307°

Produced Water Release
Point of Release: Pinhole leak on stainless tubing for the PT sensor.
Release Date: 04.09.2024
Volume Released: 150 Barrels of Produced Water
Volume Recovered: 130 Barrels of Produced Water

CARMONA RESOURCES



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

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

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May 10, 2024

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

Re: Closure Report
Moutray SWD (04.09.2024)
NGL Water Solutions Permian, LLC
Incident # NAPP2410047011
Site Location: Unit A Sec 28 T24S R29E
(Lat 32.195458°, Long -103.984307°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of NGL Energy Partners (NGL), Carmona Resource, LLC has prepared this letter to document site assessment activities for the Moutray SWD (04.09.2024). The site is located at 32.195458°, -103.984307° within Unit A, S28, T24S, R29E in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 9, 2024, caused by a pinhole leak on the stainless tubing for the PT sensor. The incident resulted in the release of approximately one hundred fifty (150) barrels of produced water, with one hundred thirty (130) barrels of produced water recovered. The release remained on the pad, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The nearest significant water course, the Pecos River, is located 1,630 feet (0.31 miles) southwest of the spill area. The nearest identified groundwater determination bore is located approximately 0.47 miles northwest of the site in S22, T24S, R29E and was drilled in 2022. The bore was drilled to a depth of 110', left open for 72 hours, and tagged with a water level meter. No water was detected at 110' below the surface. The coordinates for the groundwater determination bore are 32.200464°, -103.978891°. See 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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

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432.813.1992



4.0 Site Assessment Activities

Initial Site Assessment

On April 23, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) test trenches (T-1 and T-6) and six (6) horizontal sample points (H-1 through H-6) were advanced to depths ranging from surface to 6' bgs inside the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

The areas of T-1 through T-6 were vertically delineated and below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were horizontally delineated and below regulatory limits for TPH, Benzene, total BTEX, and Chloride concentrations. Refer to Table 1.

5.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Conner Moehring
Sr. Project Manager

Ashton Thielke
Sr. Project Manager

FIGURES

CARMONA RESOURCES

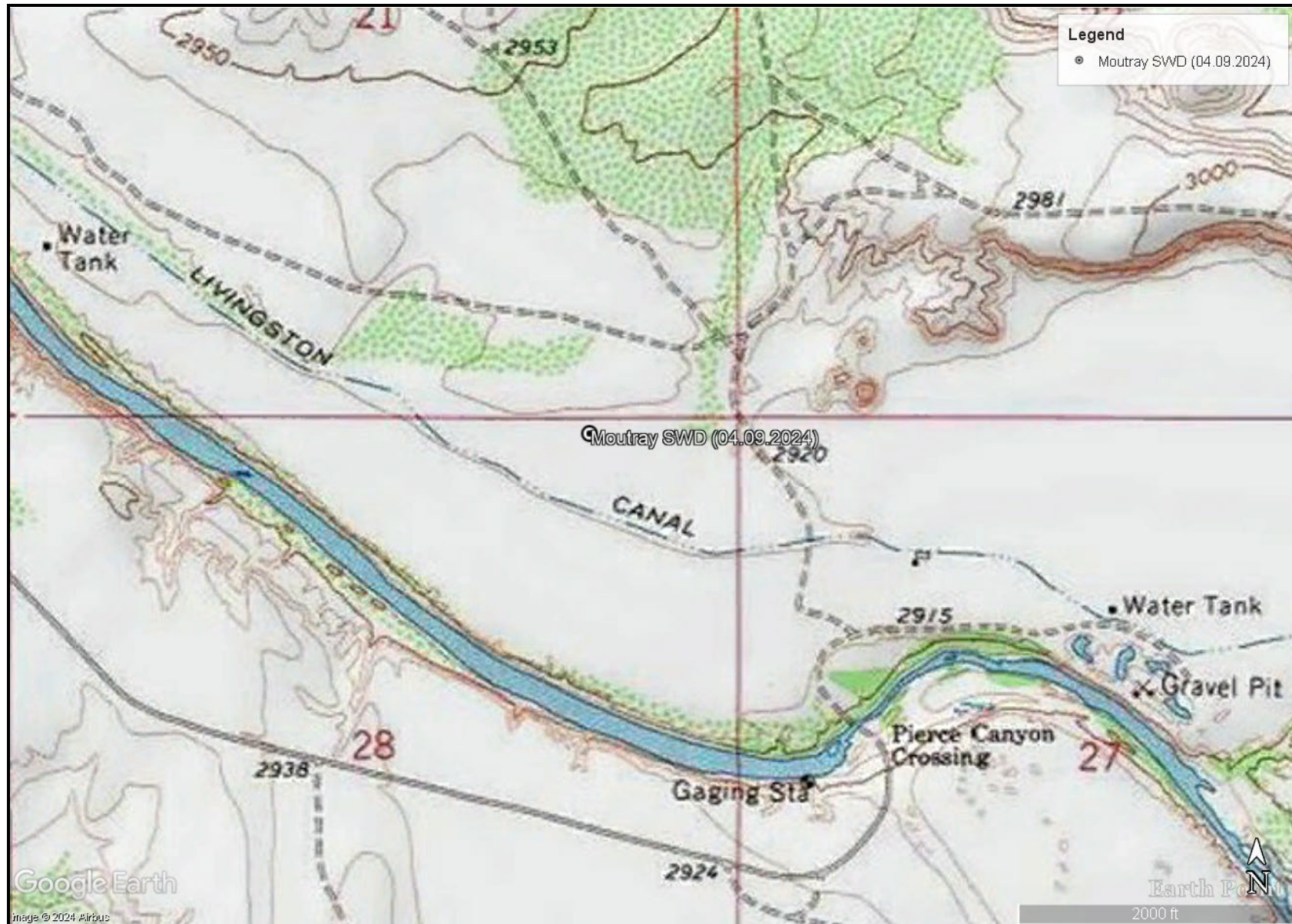




SITE OVERVIEW MAP
NGL WATER SOLUTIONS
MOUTRAY SWD (04.09.2024)
EDDY COUNTY, NEW MEXICO
32.195458°, -103.984307°



FIGURE 1



TOPOGRAPHIC MAP
NGL WATER SOLUTIONS
MOUTRAY SWD (04.09.2024)
EDDY COUNTY, NEW MEXICO
32.195458°, -103.984307°

CARMONA RESOURCES



FIGURE 2



APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions
Moutray 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						
T-1	4/23/2024	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18,300
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,590
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00202	0.0190	<0.00202	<0.00404	0.0190	343
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	56.6
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	51.8
T-2	4/23/2024	0-1	<50.3	<50.3	<50.3	<50.3	<0.00199	0.0136	<0.00199	<0.00398	0.0136	11,600
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,810
	"	2.0	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5,510
	"	3.0	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,420
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	660
	"	5.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	452
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	466
T-3	4/23/2024	0-1	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	514
	"	1.5	<50.3	<50.3	<50.3	<50.3	0.00262	0.0154	<0.00200	<0.00400	0.0180	63.6
	"	2.0	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	433
	"	3.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	312
	"	4.0	<50.5	54.4	<50.5	54.4	<0.00200	0.0170	<0.00200	<0.00399	0.0170	59.2
T-4	4/23/2024	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,850
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00264	<0.00199	<0.00398	<0.00398	133
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.9
	"	3.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.5
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	50.3
T-5	4/23/2024	0-1	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12,400
	"	1.5	<50.2	52.7	<50.2	52.7	<0.00201	<0.00201	0.00274	<0.00402	0.00550	5,830
	"	2.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,390
	"	3.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	799
	"	4.0	<49.8	417	51.2	468	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	954
	"	5.0	<50.0	157	<50.0	157	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,340
	"	6.0	<49.9	105	<49.9	105	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	355
T-6	4/23/2024	0.5	<49.8	915	73.6	989	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,250
	"	1.5	<49.6	95.7	<49.6	95.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,810
	"	2.0	<49.6	101	<49.6	101	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,250
	"	3.0	<50.2	95.8	<50.2	95.8	<0.00202	<0.00202	0.00219	<0.00404	<0.00404	2,000
	"	4.0	<50.4	78.4	<50.4	78.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	54.3
			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(T) Trench Sample

Table 1
NGL Water Solutions
Moutray 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						
H-1	4/23/2024	0.5	<50.5	70.0	<50.5	70.0	<0.00199	<0.00199	<0.00199	0.00401	0.00401	72.5
H-2	4/23/2024	0.5	<50.0	67.8	<50.0	67.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	26.1
H-3	4/23/2024	0.5	<50.0	116	<50.0	116	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	265
H-4	4/23/2024	0.5	<49.8	84.5	<49.8	84.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	174
H-5	4/23/2024	0.5	<49.9	86.9	<49.9	86.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	221
H-6	4/23/2024	0.5	<49.9	64.1	<49.9	64.1	<0.00199	0.00398	0.00527	0.0228	0.0320	42.8
			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Moutray SWD (04.09.2024)

County: Eddy County, New Mexico

Description:

View Northeast, area of T-1.



Photograph No. 2

Facility: Moutray SWD (04.09.2024)

County: Eddy County, New Mexico

Description:

View Southeast, area of T-2.



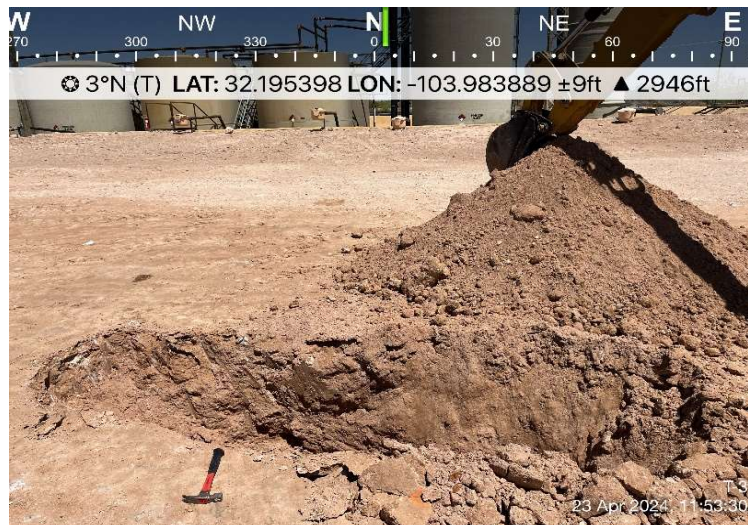
Photograph No. 3

Facility: Moutray SWD (04.09.2024)

County: Eddy County, New Mexico

Description:

View North, area of T-3.



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Moutray SWD (04.09.2024)

County: Eddy County, New Mexico

Description:

View Southeast, area of T-4.



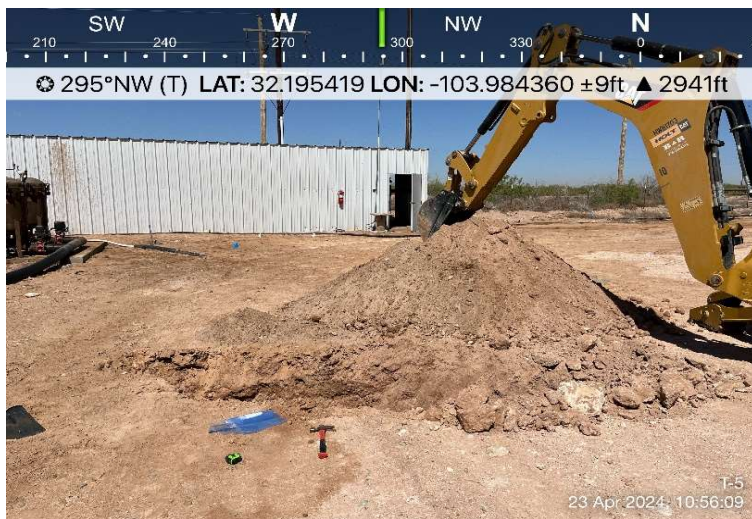
Photograph No. 5

Facility: Moutray SWD (04.09.2024)

County: Eddy County, New Mexico

Description:

View Northwest, area of T-5.



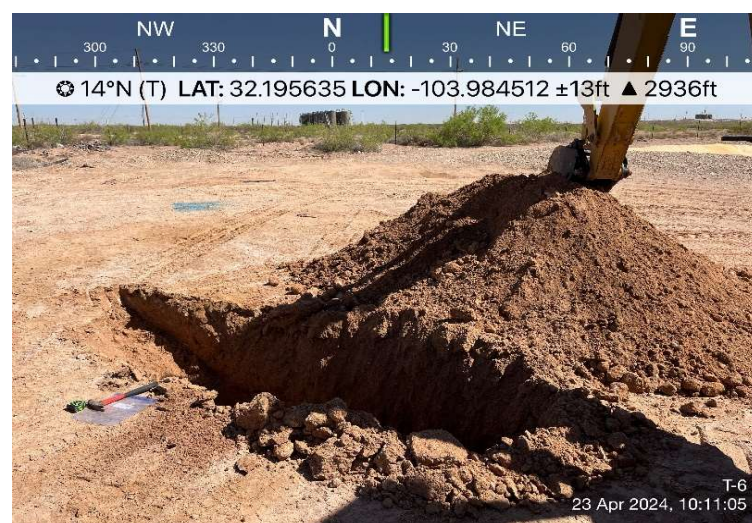
Photograph No. 6

Facility: Moutray SWD (04.09.2024)

County: Eddy County, New Mexico

Description:

View North, area of T-6.



APPENDIX C

CARMONA RESOURCES



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

QUESTIONS

Action 331419

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 331419
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Moutray SWD
Date Release Discovered	04/09/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 150 BBL Recovered: 130 BBL Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 331419

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 331419
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 331419

ACKNOWLEDGMENTS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 331419
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that 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.
☒	I acknowledge the fact that, 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.

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CONDITIONS

Action 331419

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 331419
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jvargo	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	4/9/2024



865 N. Albion Street • Suite 400 • Denver • CO • 80220
Phone (303)815-1010 • Fax (303)815-1011

April 9, 2024

RE: **Volume Calculation for Release nAPP2410047011**

Please use the following for a volume calculation for our Moutray SWD release that occurred on April 9, 2024.

150 Barrel released outside Containment. 130 Recovered.

NGL was able to determine the volume by the amount the third-party vacuum trucks were able to suction up, which was 130 bbls. During the recovery process they said they were not able to recover about 10% of the released water, therefore leaving roughly 20 bbls unrecoverable.

Sincerely,

Joseph Vargo
Regulatory Director
(303) 597-5652

Incident ID	
District RP	
Facility ID	
Application ID	

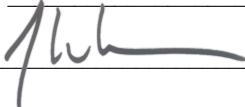
Closure

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

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

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

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

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

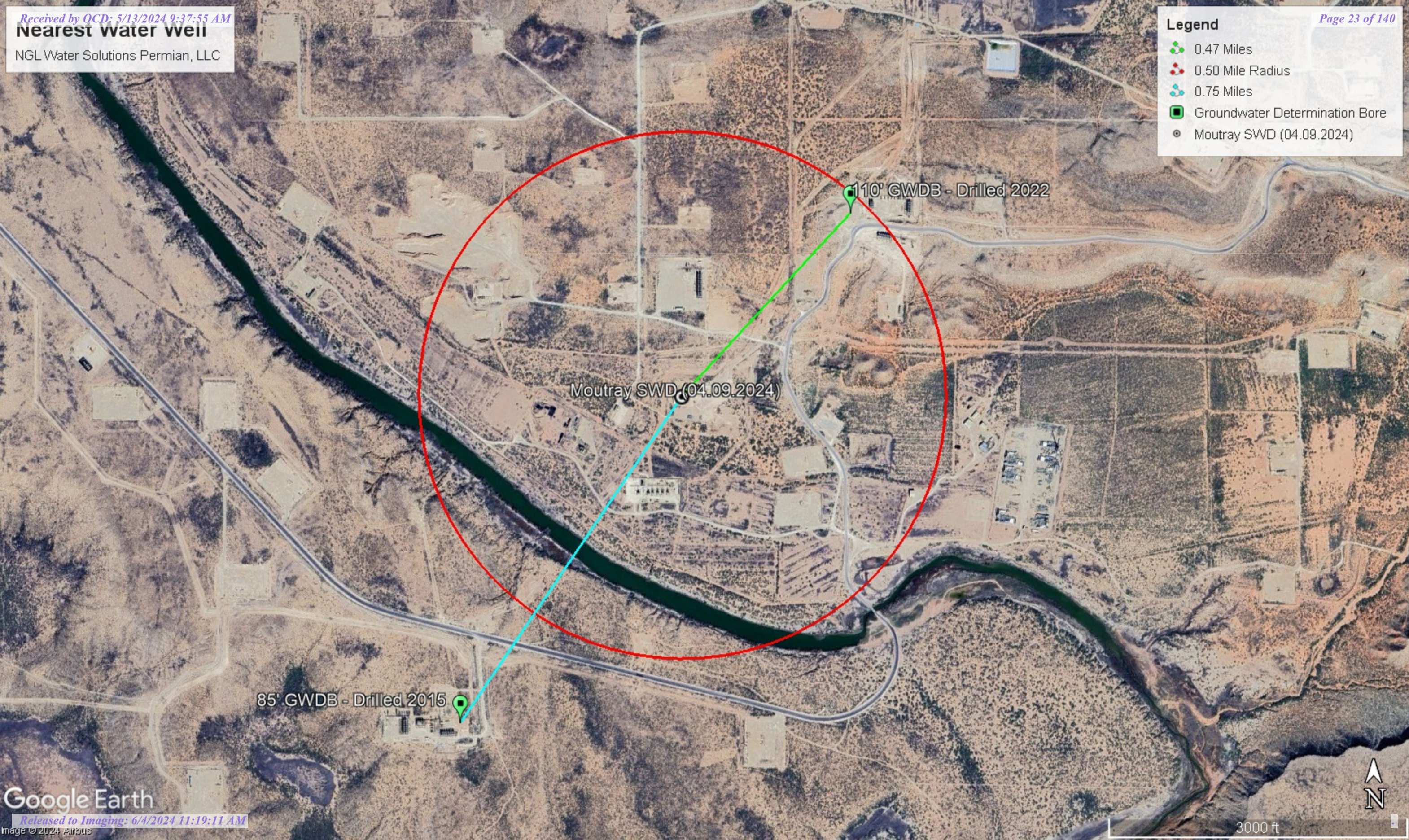


Nearest water well

NGL Water Solutions Permian, LLC

Legend

- 0.47 Miles
- 0.50 Mile Radius
- 0.75 Miles
- Groundwater Determination Bore
- Moutray SWD (04.09.2024)



Moutray SWD (04.09.2024)

110' GWDB - Drilled 2022

85' GWDB - Drilled 2015



Medium Karst

NGL Water Solutions Permian, LLC

Legend

- Medium
- Moutray SWD (04.09.2024)

Moutray SWD (04.09.2024)





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																
Sub-																
Q Q Q																
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column	
C 04617 POD1	CUB	ED	3	1	3	22	24S	29E	596241	3563113		755	110			
C 00463	C	ED	4	4	4	17	24S	29E	594332	3564282*		2226	260	4	256	
C 04778 POD1	CUB	ED	1	3	1	15	24S	29E	596200	3565247		2734	40	18	22	
C 00863	CUB	ED	3	3	1	16	24S	29E	594524	3565091*		2812	220			
C 00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*		2812	220		
C 04778 POD2	CUB	ED	2	3	1	15	24S	29E	596415	3565355		2883	40	18	22	
C 00856	CUB	ED	1	2	4	30	24S	29E	592538	3561644*		3323	380			
C 00862	CUB	ED	1	2	4	30	24S	29E	592538	3561644*		3323	155			
C 00857	CUB	ED	3	1	4	30	24S	29E	592135	3561440*		3768	306			

Average Depth to Water: **13 feet**

Minimum Depth: **4 feet**

Maximum Depth: **18 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 595735

Northing (Y): 3562553

Radius: 4000

*UTM location was derived from PLSS - see Help

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

4/11/24 8:13 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (SB-1)		WELL TAG ID NO.		OSE FILE NO(S). C 04617			
	WELL OWNER NAME(S) OXY USA INC				PHONE (OPTIONAL) 575-390-2828			
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON	STATE TX	ZIP 77210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 1.692 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE -103	58	43.9962 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW 1/4 OF SW OF S22, T24S R29E								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 5/31/2022	DRILLING ENDED 5/31/2022	DEPTH OF COMPLETED WELL (FT) 110		BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
				NO CASING IN HOLE				
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A				

FOR OSE INTERNAL USE

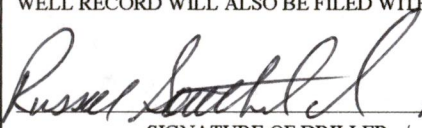
WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4617-POD1 (SB-1)	POD NO. 1 (SB-1)	TRN NO. 725746
LOCATION Expl 24.29.22.313		WELL TAG ID NO. —

PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	12	CALICHE	Y ✓ N	
12	20	SAND	Y ✓ N	
20	23	SAND	Y ✓ N	
23	30	YELLOW SANDY SHALE	Y ✓ N	
30	35	RED-YELLOW SHALE	Y ✓ N	
35	40	SAND	Y ✓ N	
40	60	DAMP SAND	Y ✓ N	
60	70	SANDY CLAY RED	Y ✓ N	
70	80	DAMP SAND	Y ✓ N	
80	100	DARK TAN SANDY CLAY	Y ✓ N	
100	110	DARK SAND	Y ✓ N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
			Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:			TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
☐ PUMP ☐ AIR LIFT ☐ BAILER ☒ OTHER - SPECIFY: DRY HOLE				

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: THE INVESTIGATION SOIL BORING WILL BE INSTALLED TO DEPTH OF APPROX. 110' BELOW GROUND SURFACE. THE SOIL BORING WILL BE LEFT OPEN FOR APPROX. 72 HOURS, GAUGED WITH WATER LEVEL METER TO CHECK FOR POTENTIAL GROUNDWATER, THEN PLUGGED IN ACCORDANCE WITH THE ASSOCIATED WELL PLUG PLAN OF OPERATIONS	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 SIGNATURE OF DRILLER / PRINT SIGNED NAME	RUSSELL SOUTHERLAND DATE 05/31/2022

OSE DTI JUN 28 2022 PM 3:38

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO. C-4617-POD1 (SB-1)	POD NO. 1 (SB-1)	TRN NO. 725746
LOCATION Exp. 24.29.22.313		WELL TAG ID NO. _____

PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 725746
File Nbr: C 04617
Well File Nbr: C 04617 POD1

Jun. 28, 2022

WADE DITTRICH
OXY USA INC
PO BOX 4294
HOUSTON, TX 77210

Greetings:

The above numbered permit was issued in your name on 05/13/2022.

The Well Record was received in this office on 06/28/2022, stating that it had been completed on 05/31/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/13/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 725746
File Nbr: C 04617
Well File Nbr: C 04617 POD1

Jun. 28, 2022

BEAUX JENNINGS
ENSOLUM LLC
601 N MARIENFELD ST , STE 400
MIDLAND, TX 79701

Greetings:

The above numbered permit was issued in your name on 05/13/2022.

The Well Record was received in this office on 06/28/2022, stating that it had been completed on 05/31/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/13/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER)				OSE FILE NUMBER(S)			
	SB-3							
	WELL OWNER NAME(S)				PHONE (OPTIONAL)			
	OXY Permian							
	WELL OWNER MAILING ADDRESS				CITY STATE ZIP			
1017 W. Stanolind Rd.				Hobbs NM 88240				
WELL LOCATION (FROM GPS)	DEGREES		MINUTES		SECONDS		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LATITUDE		32 11 11.45		N			
	LONGITUDE		103 59 29.43		W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
Cedar Canyon 28 Federal #4 CE State Battery								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER		NAME OF LICENSED DRILLER			NAME OF WELL DRILLING COMPANY		
	WD-1456		John W. White			White Drilling Company, Inc.		
	DRILLING STARTED		DRILLING ENDED		DEPTH OF COMPLETED WELL (FT)		BORE HOLE DEPTH (FT)	
	07/21/2015		07/21/2015				85.0	
							DEPTH WATER FIRST ENCOUNTERED (FT)	
							Dry	
	COMPLETED WELL IS:		STATIC WATER LEVEL IN COMPLETED WELL (FT)					
	☐ ARTESIAN		☒ DRY HOLE					
	☐ SHALLOW (UNCONFINED)							
	DRILLING FLUID:		ADDITIVES - SPECIFY:					
☒ AIR		☐ MUD						
DRILLING METHOD:		OTHER - SPECIFY:						
☐ ROTARY		☐ HAMMER						
☐ CABLE TOOL		☐ OTHER - SPECIFY:						
DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
FROM	TO							
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	85.0	0.0	6.0	Type 2 Portland Cement w/5% Portland Quick Cure	16.6855	Pump Mix w/tremie		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER

POD NUMBER

TRN NUMBER

LOCATION

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0.0	5.0	5.0	Caliche	☐ Y ☒ N	
	5.0	13.0	8.0	Brown sand w/gravel	☐ Y ☒ N	
	13.0	16.0	3.0	Light brown limestone/sandstone	☐ Y ☒ N	
	16.0	26.0	10.0	Reddish brown sand	☐ Y ☒ N	
	26.0	37.5	11.5	Brown sand/sandstone w/reddish brown sand layers	☐ Y ☒ N	
	37.5	39.0	1.5	Grayish brown sand/sandy clay	☐ Y ☒ N	
	39.0	44.0	5.0	Molded grayish and reddish brown clayey sand	☐ Y ☒ N	
	44.0	46.0	2.0	Reddish clay/sandy clay	☐ Y ☒ N	
	46.0	51.0	5.0	Grayish and reddish sand/sandstone	☐ Y ☒ N	
	51.0	59.0	8.0	Reddish sandstone	☐ Y ☒ N	
	59.0	61.0	2.0	Blue/gray clay	☐ Y ☒ N	
	61.0	71.0	10.0	Reddish and gray mixed sandstone	☐ Y ☒ N	
	71.0	75.0	4.0	Reddish sandy clay	☐ Y ☒ N	
	75.0	85.0	10.0	Brown, red and light brown sandstone	☐ Y ☒ N	
					☐ Y ☒ N	
					☐ Y ☒ N	
					☐ Y ☒ N	
					☐ Y ☒ N	
					☐ Y ☒ N	
					☐ Y ☒ N	
					☐ Y ☒ N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP					TOTAL ESTIMATED	
☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					WELL YIELD (gpm):	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	Chlorides present in soil					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
	William B. Atkins					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 John White					7/2/11
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER

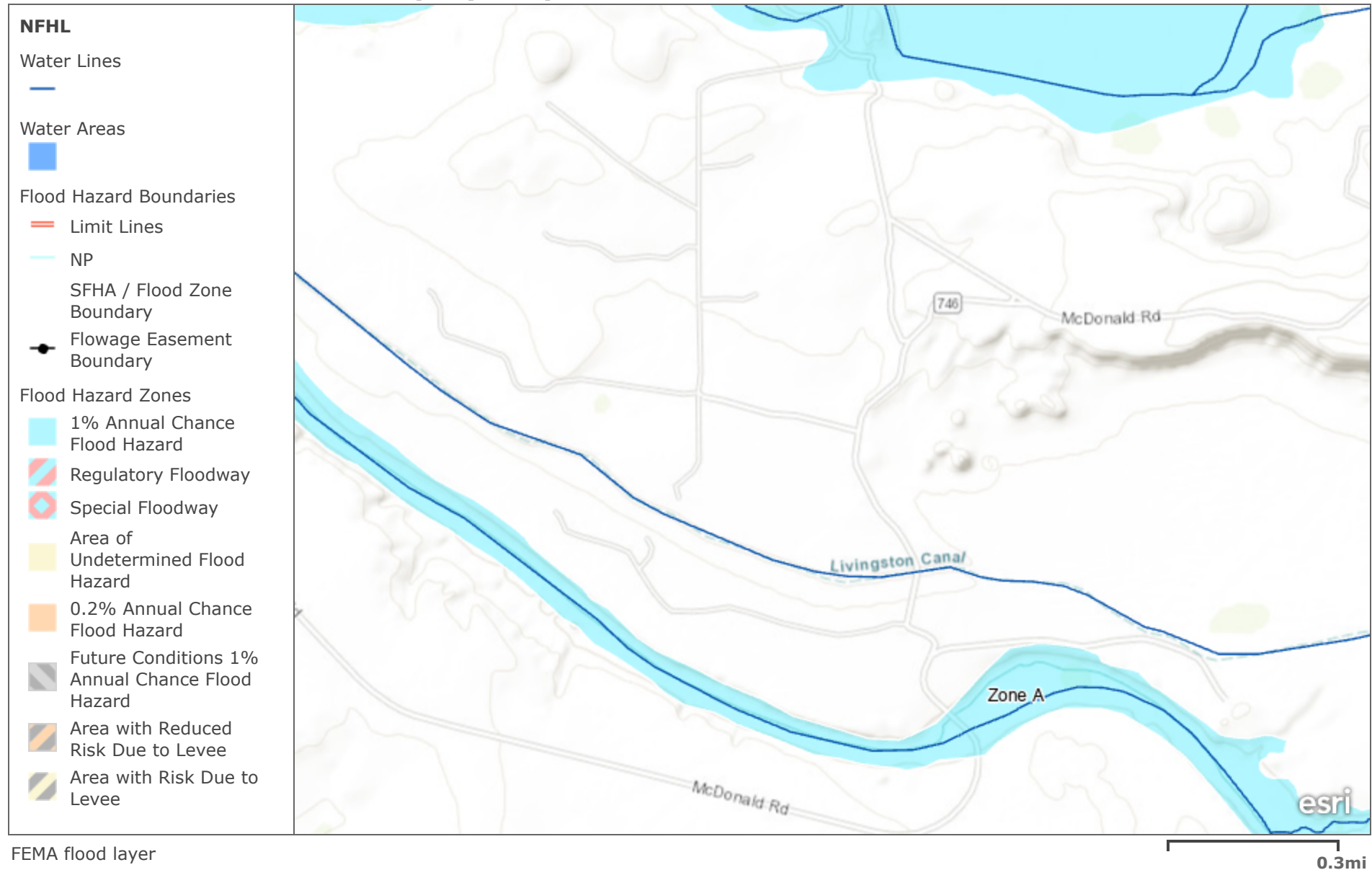
POD NUMBER

TRN NUMBER

LOCATION

PAGE 2 OF 2

FEMA National Flood Hazard Layer (NFHL)



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

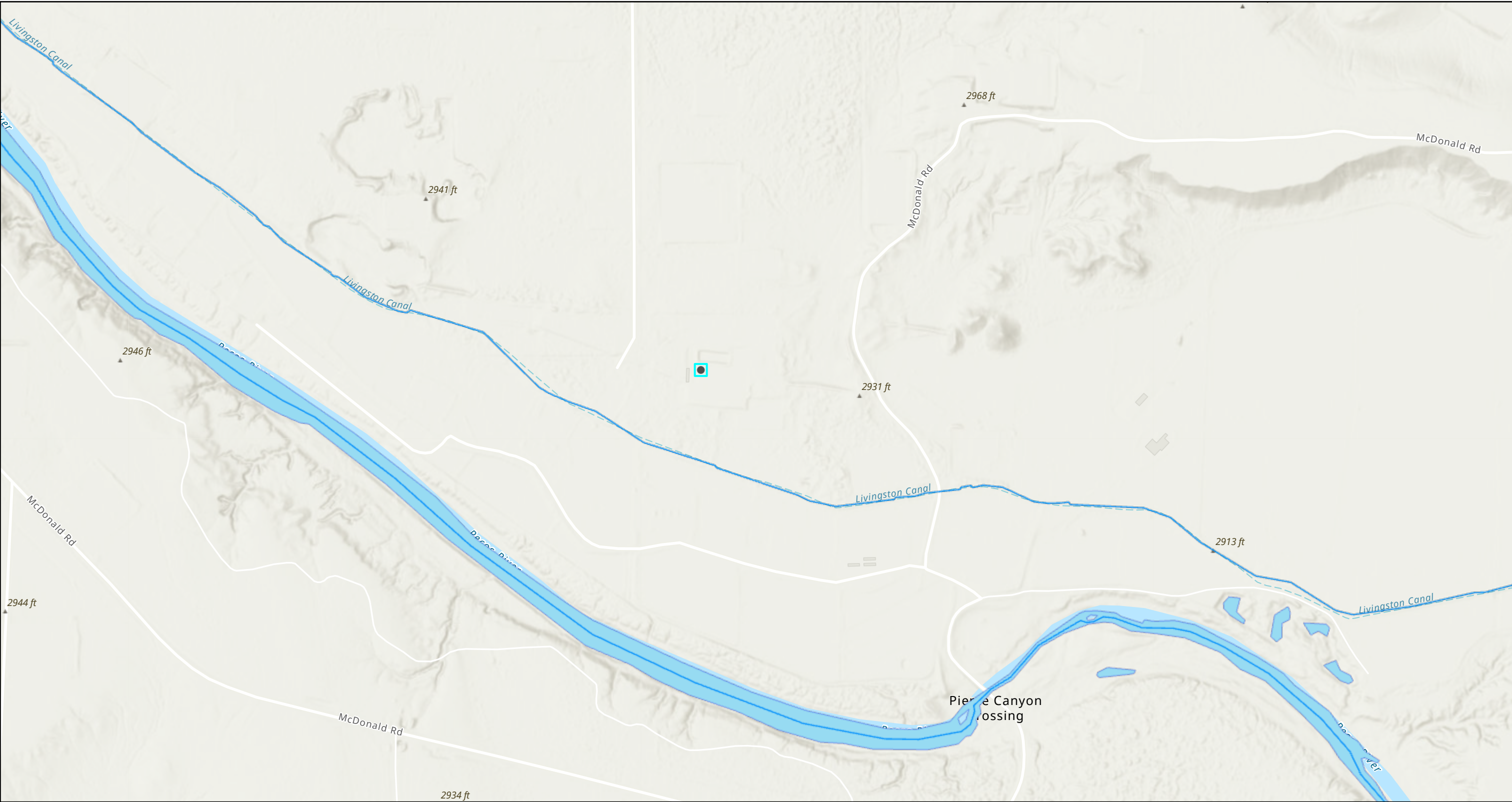
FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

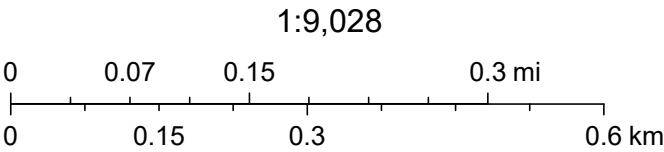
Maxar | Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Moutray SWD (04.09.2024)



4/11/2024, 9:13:03 AM

- OSW Water Bodys
- OSE Streams



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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/30/2024 7:04:14 PM

JOB DESCRIPTION

Moutray SWD
Eddy Co NM

JOB NUMBER

890-6531-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
4/30/2024 7:04:14 PM

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

Client: Carmona Resources
Project/Site: Moutray SWD

Laboratory Job ID: 890-6531-1
SDG: Eddy Co NM

Table of Contents

Cover Page	1
Table of Contents	3
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Moutray SWD

Job ID: 890-6531-1

Job ID: 890-6531-1

Eurofins Carlsbad

Job Narrative
890-6531-1

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

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

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

Receipt

The samples were received on 4/25/2024 10:09 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 -7.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T - 1 (0 -1') (890-6531-1), T - 1 (1.5') (890-6531-2), T - 1 (2.0') (890-6531-3), T - 1 (3.0') (890-6531-4), T - 1 (4.0') (890-6531-5), T - 2 (0 -1') (890-6531-6), T - 2 (1.5') (890-6531-7), T - 2 (2.0') (890-6531-8), T - 2 (3.0') (890-6531-9), T - 2 (4.0') (890-6531-10), T - 2 (5.0') (890-6531-11), T - 2 (6.0') (890-6531-12), T - 3 (0 -1') (890-6531-13), T - 3 (1.5') (890-6531-14), T - 3 (2.0') (890-6531-15), T - 3 (3.0') (890-6531-16), T - 3 (4.0') (890-6531-17), T - 4 (0 -1') (890-6531-18), T - 4 (1.5') (890-6531-19), T - 4 (2.0') (890-6531-20), T - 4 (3.0') (890-6531-21), T - 4 (4.0') (890-6531-22), T - 5 (0 -1') (890-6531-23), T - 5 (1.5') (890-6531-24), T - 5 (2.0') (890-6531-25), T - 5 (3.0') (890-6531-26), T - 5 (4.0') (890-6531-27), T - 5 (5.0') (890-6531-28), T - 5 (6.0') (890-6531-29), T - 6 (0 -1') (890-6531-30), T - 6 (1.5') (890-6531-31), T - 6 (2.0') (890-6531-32), T - 6 (3.0') (890-6531-33) and T - 6 (4.0') (890-6531-34).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T - 1 (2.0') (890-6531-3), T - 2 (0 -1') (890-6531-6) and T - 3 (4.0') (890-6531-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-79232 and 880-79392 and analytical batch 880-79382 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T - 6 (1.5') (890-6531-31) and T - 6 (3.0') (890-6531-33). 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 samples were outside control limits: T - 4 (3.0') (890-6531-21), T - 5 (0 -1') (890-6531-23), T - 5 (1.5') (890-6531-24), T - 6 (3.0') (890-6531-33), (890-6531-A-21-B MS) and (890-6531-A-21-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-79386 and analytical batch 880-79370 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: T - 1 (0 -1') (890-6531-1), T - 1 (1.5') (890-6531-2), T - 1 (2.0') (890-6531-3), T - 1 (3.0') (890-6531-4), T - 1 (4.0') (890-6531-5), T - 2 (0 -1') (890-6531-6), T - 2 (1.5') (890-6531-7), T - 2 (2.0') (890-6531-8), T - 2 (3.0') (890-6531-9), T - 2 (5.0') (890-6531-11), T - 2 (6.0') (890-6531-12), T - 3 (0 -1') (890-6531-13), T - 3 (1.5') (890-6531-14), T - 3 (2.0') (890-6531-15), T - 3 (3.0') (890-6531-16), T - 4 (0 -1') (890-6531-18), T - 4 (1.5') (890-6531-19) and T - 4 (2.0') (890-6531-20). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T - 3 (4.0') (890-6531-17),

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Case Narrative

Client: Carmona Resources
Project: Moutray SWD

Job ID: 890-6531-1

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(890-6531-A-1-B MS) and (890-6531-A-1-C MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-79446 and 880-79446 and analytical batch 880-79558 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

T - 3 (0 -1') (890-6531-13), T - 3 (1.5') (890-6531-14), T - 3 (2.0') (890-6531-15), T - 3 (3.0') (890-6531-16), T - 3 (4.0') (890-6531-17), T - 4 (0 -1') (890-6531-18), T - 4 (1.5') (890-6531-19), T - 4 (2.0') (890-6531-20), T - 4 (3.0') (890-6531-21), T - 4 (4.0') (890-6531-22), (890-6531-A-13-D MS) and (890-6531-A-13-E MSD)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-79446 and 880-79446 and analytical batch 880-79558 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

T - 5 (0 -1') (890-6531-23), T - 5 (1.5') (890-6531-24), T - 5 (2.0') (890-6531-25), T - 5 (3.0') (890-6531-26), T - 5 (4.0') (890-6531-27), T - 5 (5.0') (890-6531-28), T - 5 (6.0') (890-6531-29), T - 6 (0 - 1') (890-6531-30), T - 6 (1.5') (890-6531-31), T - 6 (2.0') (890-6531-32) and (890-6531-A-23-D MS)

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-6531-1

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:58	04/26/24 23:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/26/24 23:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/26/24 23:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/26/24 23:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/26/24 23:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/26/24 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	04/26/24 09:58	04/26/24 23:26	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/24 09:58	04/26/24 23:26	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			04/26/24 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/26/24 11:21	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		04/26/24 09:20	04/26/24 11:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/24 09:20	04/26/24 11:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:20	04/26/24 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	04/26/24 09:20	04/26/24 11:21	1
o-Terphenyl	126		70 - 130	04/26/24 09:20	04/26/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18300		100		mg/Kg			04/29/24 18:03	20

Client Sample ID: T - 1 (1.5')

Lab Sample ID: 890-6531-2

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:58	04/26/24 23:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/24 09:58	04/26/24 23:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/24 09:58	04/26/24 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/26/24 09:58	04/26/24 23:47	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/26/24 09:58	04/26/24 23:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 1 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-2
Matrix: Solid

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			04/26/24 23:47	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			04/26/24 12:24	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 12:24	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 12:24	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 12:24	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	144	S1+	70 - 130				04/26/24 09:20	04/26/24 12:24	1	
o-Terphenyl	129		70 - 130				04/26/24 09:20	04/26/24 12:24	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3590		24.9		mg/Kg			04/29/24 18:09	5	

Client Sample ID: T - 1 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 00:08	1
Toluene	0.0190		0.00202		mg/Kg		04/26/24 09:58	04/27/24 00:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 00:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 09:58	04/27/24 00:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 00:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 09:58	04/27/24 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	50	S1-	70 - 130				04/26/24 09:58	04/27/24 00:08	1
1,4-Difluorobenzene (Surr)	112		70 - 130				04/26/24 09:58	04/27/24 00:08	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0190		0.00404		mg/Kg			04/27/24 00:08	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/26/24 12:46	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/26/24 09:20	04/26/24 12:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/26/24 09:20	04/26/24 12:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 1 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/26/24 09:20	04/26/24 12:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	138	S1+	70 - 130				04/26/24 09:20	04/26/24 12:46	1	
o-Terphenyl	127		70 - 130				04/26/24 09:20	04/26/24 12:46	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	343		5.00		mg/Kg			04/29/24 18:15	1	

Client Sample ID: T - 1 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-4
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		04/26/24 09:58	04/27/24 00:28	1	
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:58	04/27/24 00:28	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:58	04/27/24 00:28	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/24 09:58	04/27/24 00:28	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:58	04/27/24 00:28	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/24 09:58	04/27/24 00:28	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130				04/26/24 09:58	04/27/24 00:28	1	
1,4-Difluorobenzene (Surr)	99		70 - 130				04/26/24 09:58	04/27/24 00:28	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			04/27/24 00:28	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		mg/Kg			04/26/24 13:07	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		04/26/24 09:20	04/26/24 13:07	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/24 09:20	04/26/24 13:07	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:20	04/26/24 13:07	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	151	S1+	70 - 130				04/26/24 09:20	04/26/24 13:07	1	
o-Terphenyl	138	S1+	70 - 130				04/26/24 09:20	04/26/24 13:07	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	56.6		5.02		mg/Kg			04/29/24 18:34	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 1 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-5
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		04/26/24 09:58	04/27/24 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 00:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 00:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				04/26/24 09:58	04/27/24 00:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/26/24 09:58	04/27/24 00:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 00:49	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			04/26/24 13:28	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/26/24 09:20	04/26/24 13:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/24 09:20	04/26/24 13:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/24 09:20	04/26/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				04/26/24 09:20	04/26/24 13:28	1
o-Terphenyl	123		70 - 130				04/26/24 09:20	04/26/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.8		5.01		mg/Kg			04/29/24 18:40	1

Client Sample ID: T - 2 (0 -1')

Lab Sample ID: 890-6531-6

Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:10	1
Toluene	0.0136		0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 01:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130				04/26/24 09:58	04/27/24 01:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/26/24 09:58	04/27/24 01:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (0 -1')

Lab Sample ID: 890-6531-6

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0136		0.00398		mg/Kg			04/27/24 01:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/26/24 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/26/24 09:20	04/26/24 13:49	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/26/24 09:20	04/26/24 13:49	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/26/24 09:20	04/26/24 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				04/26/24 09:20	04/26/24 13:49	1
o-Terphenyl	123		70 - 130				04/26/24 09:20	04/26/24 13:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11600		100		mg/Kg			04/29/24 18:58	20

Client Sample ID: T - 2 (1.5')

Lab Sample ID: 890-6531-7

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:58	04/27/24 01:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 01:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 01:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				04/26/24 09:58	04/27/24 01:30	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/26/24 09:58	04/27/24 01:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/27/24 01:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/26/24 14:10	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	<50.2	U	50.2		mg/Kg		04/26/24 09:20	04/26/24 14:10	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/26/24 09:20	04/26/24 14:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (1.5')

Lab Sample ID: 890-6531-7

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/26/24 09:20	04/26/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				04/26/24 09:20	04/26/24 14:10	1
o-Terphenyl	128		70 - 130				04/26/24 09:20	04/26/24 14:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6810		49.9		mg/Kg			04/29/24 19:04	10

Client Sample ID: T - 2 (2.0')

Lab Sample ID: 890-6531-8

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 01:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 01:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 01:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 09:58	04/27/24 01:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 01:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 09:58	04/27/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				04/26/24 09:58	04/27/24 01:51	1
1,4-Difluorobenzene (Surr)	105		70 - 130				04/26/24 09:58	04/27/24 01:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/27/24 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/26/24 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/26/24 09:20	04/26/24 14:31	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/26/24 09:20	04/26/24 14:31	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/26/24 09:20	04/26/24 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				04/26/24 09:20	04/26/24 14:31	1
o-Terphenyl	140	S1+	70 - 130				04/26/24 09:20	04/26/24 14:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5510		50.1		mg/Kg			04/29/24 19:11	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-9
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		04/26/24 09:58	04/27/24 02:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:58	04/27/24 02:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:58	04/27/24 02:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/24 09:58	04/27/24 02:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:58	04/27/24 02:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/24 09:58	04/27/24 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				04/26/24 09:58	04/27/24 02:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/26/24 09:58	04/27/24 02:12	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			04/27/24 02:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/26/24 14:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 14:53	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 14:53	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				04/26/24 09:20	04/26/24 14:53	1
o-Terphenyl	140	S1+	70 - 130				04/26/24 09:20	04/26/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2420		25.7		mg/Kg			04/29/24 19:17	5

Client Sample ID: T - 2 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-10
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		04/26/24 09:58	04/27/24 02:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 02:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 02:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/24 09:58	04/27/24 02:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 02:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/24 09:58	04/27/24 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				04/26/24 09:58	04/27/24 02:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/26/24 09:58	04/27/24 02:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-10
Matrix: Solid

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			04/27/24 02:32	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			04/26/24 15:14	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		04/26/24 09:20	04/26/24 15:14	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/24 09:20	04/26/24 15:14	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:20	04/26/24 15:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	127		70 - 130				04/26/24 09:20	04/26/24 15:14	1	
o-Terphenyl	116		70 - 130				04/26/24 09:20	04/26/24 15:14	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	660		5.01		mg/Kg			04/29/24 19:23	1	

Client Sample ID: T - 2 (5.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-11
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		04/26/24 09:58	04/27/24 03:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 03:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 03:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 03:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 03:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/26/24 09:58	04/27/24 03:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/26/24 09:58	04/27/24 03:56	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 03:56	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			04/26/24 15:57	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		04/26/24 09:20	04/26/24 15:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/24 09:20	04/26/24 15:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (5.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-11
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/24 09:20	04/26/24 15:57	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	133	S1+	70 - 130				04/26/24 09:20	04/26/24 15:57	1	
o-Terphenyl	116		70 - 130				04/26/24 09:20	04/26/24 15:57	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	452		4.99		mg/Kg			04/29/24 19:29	1	

Client Sample ID: T - 2 (6.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-12
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		04/26/24 09:58	04/27/24 04:16	1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:16	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:16	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 04:16	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:16	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 04:16	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	101		70 - 130				04/26/24 09:58	04/27/24 04:16	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				04/26/24 09:58	04/27/24 04:16	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 04:16	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			04/26/24 16:40	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 16:40	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 16:40	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 16:40	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	137	S1+	70 - 130				04/26/24 09:20	04/26/24 16:40	1	
o-Terphenyl	122		70 - 130				04/26/24 09:20	04/26/24 16:40	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	466		4.98		mg/Kg			04/29/24 19:35	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 3 (0 -1')

Lab Sample ID: 890-6531-13

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 04:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 04:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 04:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 09:58	04/27/24 04:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:58	04/27/24 04:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 09:58	04/27/24 04:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/26/24 09:58	04/27/24 04:37	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/26/24 09:58	04/27/24 04:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/27/24 04:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/26/24 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/26/24 09:20	04/26/24 17:01	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/26/24 09:20	04/26/24 17:01	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/26/24 09:20	04/26/24 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	311	S1+	70 - 130	04/26/24 09:20	04/26/24 17:01	1
o-Terphenyl	278	S1+	70 - 130	04/26/24 09:20	04/26/24 17:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	514	F1	4.98		mg/Kg			04/29/24 18:42	1

Client Sample ID: T - 3 (1.5')

Lab Sample ID: 890-6531-14

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00262		0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:57	1
Toluene	0.0154		0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 04:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 04:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/27/24 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/26/24 09:58	04/27/24 04:57	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/26/24 09:58	04/27/24 04:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 3 (1.5')

Lab Sample ID: 890-6531-14

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0180		0.00400		mg/Kg			04/27/24 04:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/26/24 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/26/24 09:20	04/26/24 17:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/26/24 09:20	04/26/24 17:22	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/26/24 09:20	04/26/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				04/26/24 09:20	04/26/24 17:22	1
o-Terphenyl	127		70 - 130				04/26/24 09:20	04/26/24 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.6		5.04		mg/Kg			04/29/24 19:01	1

Client Sample ID: T - 3 (2.0')

Lab Sample ID: 890-6531-15

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:58	04/27/24 05:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/24 09:58	04/27/24 05:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/24 09:58	04/27/24 05:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/24 09:58	04/27/24 05:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/24 09:58	04/27/24 05:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/24 09:58	04/27/24 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/26/24 09:58	04/27/24 05:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/26/24 09:58	04/27/24 05:18	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			04/27/24 05:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/26/24 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/26/24 09:20	04/26/24 17:44	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/26/24 09:20	04/26/24 17:44	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 3 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-15
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/26/24 09:20	04/26/24 17:44	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	164	S1+	70 - 130				04/26/24 09:20	04/26/24 17:44	1	
o-Terphenyl	144	S1+	70 - 130				04/26/24 09:20	04/26/24 17:44	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	433		5.02		mg/Kg			04/29/24 19:07	1	

Client Sample ID: T - 3 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 05:39	1	
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 05:39	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 05:39	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 05:39	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 05:39	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 05:39	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		70 - 130				04/26/24 09:58	04/27/24 05:39	1	
1,4-Difluorobenzene (Surr)	99		70 - 130				04/26/24 09:58	04/27/24 05:39	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			04/27/24 05:39	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.1	U	50.1		mg/Kg			04/26/24 18:05	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/26/24 09:20	04/26/24 18:05	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/26/24 09:20	04/26/24 18:05	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/24 09:20	04/26/24 18:05	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	151	S1+	70 - 130				04/26/24 09:20	04/26/24 18:05	1	
o-Terphenyl	137	S1+	70 - 130				04/26/24 09:20	04/26/24 18:05	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	312		5.05		mg/Kg			04/29/24 19:13	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 3 (4.0')

Lab Sample ID: 890-6531-17

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:58	04/27/24 05:59	1
Toluene	0.0170		0.00200		mg/Kg		04/26/24 09:58	04/27/24 05:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 05:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/24 09:58	04/27/24 05:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 05:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/24 09:58	04/27/24 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130	04/26/24 09:58	04/27/24 05:59	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/26/24 09:58	04/27/24 05:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0170		0.00399		mg/Kg			04/27/24 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.4		50.5		mg/Kg			04/26/24 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 18:26	1
Diesel Range Organics (Over C10-C28)	54.4		50.5		mg/Kg		04/26/24 09:20	04/26/24 18:26	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/26/24 09:20	04/26/24 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130	04/26/24 09:20	04/26/24 18:26	1
o-Terphenyl	140	S1+	70 - 130	04/26/24 09:20	04/26/24 18:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		4.97		mg/Kg			04/29/24 19:19	1

Client Sample ID: T - 4 (0 -1')

Lab Sample ID: 890-6531-18

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:58	04/27/24 06:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 06:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 06:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/24 09:58	04/27/24 06:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/27/24 06:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/24 09:58	04/27/24 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/26/24 09:58	04/27/24 06:20	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/26/24 09:58	04/27/24 06:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 4 (0 -1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-18
Matrix: Solid

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			04/27/24 06:20	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			04/26/24 18:47	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		04/26/24 09:20	04/26/24 18:47	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 18:47	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 18:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	161	S1+	70 - 130				04/26/24 09:20	04/26/24 18:47	1	
o-Terphenyl	141	S1+	70 - 130				04/26/24 09:20	04/26/24 18:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	2850		25.0		mg/Kg			04/29/24 19:39	5	

Client Sample ID: T - 4 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-19
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 06:41	1	
Toluene	0.00264		0.00199		mg/Kg		04/26/24 09:58	04/27/24 06:41	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 06:41	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 06:41	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 06:41	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 06:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	79		70 - 130				04/26/24 09:58	04/27/24 06:41	1	
1,4-Difluorobenzene (Surr)	105		70 - 130				04/26/24 09:58	04/27/24 06:41	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			04/27/24 06:41	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			04/26/24 19:08	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		04/26/24 09:20	04/26/24 19:08	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 19:08	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 4 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-19
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 19:08	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	143	S1+	70 - 130				04/26/24 09:20	04/26/24 19:08	1	
o-Terphenyl	132	S1+	70 - 130				04/26/24 09:20	04/26/24 19:08	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	133		4.98		mg/Kg			04/29/24 19:45	1	

Client Sample ID: T - 4 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-20
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 07:01	1	
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 07:01	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 07:01	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 07:01	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:58	04/27/24 07:01	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 09:58	04/27/24 07:01	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130				04/26/24 09:58	04/27/24 07:01	1	
1,4-Difluorobenzene (Surr)	96		70 - 130				04/26/24 09:58	04/27/24 07:01	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			04/27/24 07:01	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			04/26/24 19:29	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		04/26/24 09:20	04/26/24 19:29	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 19:29	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:20	04/26/24 19:29	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	142	S1+	70 - 130				04/26/24 09:20	04/26/24 19:29	1	
o-Terphenyl	133	S1+	70 - 130				04/26/24 09:20	04/26/24 19:29	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	15.9		5.03		mg/Kg			04/29/24 19:51	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 4 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-21
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 09:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 09:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 09:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 15:03	04/27/24 09:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 09:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 15:03	04/27/24 09:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				04/26/24 15:03	04/27/24 09:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/26/24 15:03	04/27/24 09:36	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			04/27/24 09:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/26/24 11:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/26/24 09:23	04/26/24 11:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		04/26/24 09:23	04/26/24 11:21	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/26/24 09:23	04/26/24 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				04/26/24 09:23	04/26/24 11:21	1
o-Terphenyl	154	S1+	70 - 130				04/26/24 09:23	04/26/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		5.00		mg/Kg			04/29/24 19:57	1

Client Sample ID: T - 4 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-22
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		04/26/24 15:03	04/27/24 09:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/24 15:03	04/27/24 09:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/24 15:03	04/27/24 09:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				04/26/24 15:03	04/27/24 09:56	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/26/24 15:03	04/27/24 09:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 4 (4.0')

Lab Sample ID: 890-6531-22

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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			04/27/24 09:56	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			04/26/24 12:24	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		04/26/24 09:23	04/26/24 12:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		04/26/24 09:23	04/26/24 12:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:23	04/26/24 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/26/24 09:23	04/26/24 12:24	1
o-Terphenyl	114		70 - 130				04/26/24 09:23	04/26/24 12:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.3		4.98		mg/Kg			04/29/24 20:04	1

Client Sample ID: T - 5 (0 -1')

Lab Sample ID: 890-6531-23

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 10:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 10:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 10:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 15:03	04/27/24 10:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 10:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 15:03	04/27/24 10:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/26/24 15:03	04/27/24 10:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/26/24 15:03	04/27/24 10:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/27/24 10:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/26/24 12:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/26/24 09:23	04/26/24 12:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1	49.6		mg/Kg		04/26/24 09:23	04/26/24 12:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (0 -1')

Lab Sample ID: 890-6531-23

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/26/24 09:23	04/26/24 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				04/26/24 09:23	04/26/24 12:46	1
o-Terphenyl	139	S1+	70 - 130				04/26/24 09:23	04/26/24 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12400	F1	101		mg/Kg			04/29/24 20:10	20

Client Sample ID: T - 5 (1.5')

Lab Sample ID: 890-6531-24

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 15:03	04/27/24 11:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/24 15:03	04/27/24 11:59	1
Ethylbenzene	0.00274		0.00201		mg/Kg		04/26/24 15:03	04/27/24 11:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/24 15:03	04/27/24 11:59	1
o-Xylene	0.00276		0.00201		mg/Kg		04/26/24 15:03	04/27/24 11:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/24 15:03	04/27/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/26/24 15:03	04/27/24 11:59	1
1,4-Difluorobenzene (Surr)	78		70 - 130				04/26/24 15:03	04/27/24 11:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00550		0.00402		mg/Kg			04/27/24 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.7		50.2		mg/Kg			04/26/24 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/26/24 09:23	04/26/24 13:07	1
Diesel Range Organics (Over C10-C28)	52.7	*1	50.2		mg/Kg		04/26/24 09:23	04/26/24 13:07	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/26/24 09:23	04/26/24 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				04/26/24 09:23	04/26/24 13:07	1
o-Terphenyl	132	S1+	70 - 130				04/26/24 09:23	04/26/24 13:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5830		49.8		mg/Kg			04/29/24 20:29	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (2.0')

Lab Sample ID: 890-6531-25

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 15:03	04/27/24 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 12:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 12:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/26/24 15:03	04/27/24 12:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/26/24 15:03	04/27/24 12:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/26/24 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/26/24 09:23	04/26/24 13:28	1
Diesel Range Organics (Over C10-C28)	<50.4	U *1	50.4		mg/Kg		04/26/24 09:23	04/26/24 13:28	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/26/24 09:23	04/26/24 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	04/26/24 09:23	04/26/24 13:28	1
o-Terphenyl	126		70 - 130	04/26/24 09:23	04/26/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5390		50.3		mg/Kg			04/29/24 20:35	10

Client Sample ID: T - 5 (3.0')

Lab Sample ID: 890-6531-26

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 15:03	04/27/24 10:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 15:03	04/27/24 10:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 15:03	04/27/24 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/26/24 15:03	04/27/24 10:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/26/24 15:03	04/27/24 10:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-26
Matrix: Solid

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			04/27/24 10:37	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			04/26/24 13:49	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/26/24 09:23	04/26/24 13:49	1	
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		04/26/24 09:23	04/26/24 13:49	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/26/24 09:23	04/26/24 13:49	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130				04/26/24 09:23	04/26/24 13:49	1	
o-Terphenyl	115		70 - 130				04/26/24 09:23	04/26/24 13:49	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	799		4.97		mg/Kg			04/29/24 20:54	1	

Client Sample ID: T - 5 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-27
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:57	1	
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:57	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:57	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/24 15:03	04/27/24 10:57	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 15:03	04/27/24 10:57	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/24 15:03	04/27/24 10:57	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	117		70 - 130				04/26/24 15:03	04/27/24 10:57	1	
1,4-Difluorobenzene (Surr)	91		70 - 130				04/26/24 15:03	04/27/24 10:57	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/27/24 10:57	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	468		49.8		mg/Kg			04/26/24 14:10	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		04/26/24 09:23	04/26/24 14:10	1	
Diesel Range Organics (Over C10-C28)	417	*1	49.8		mg/Kg		04/26/24 09:23	04/26/24 14:10	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-27
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	51.2		49.8		mg/Kg		04/26/24 09:23	04/26/24 14:10	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	87		70 - 130				04/26/24 09:23	04/26/24 14:10	1	
o-Terphenyl	87		70 - 130				04/26/24 09:23	04/26/24 14:10	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	954		4.99		mg/Kg			04/29/24 21:00	1	

Client Sample ID: T - 5 (5.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-28
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 11:18	1	
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 11:18	1	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 11:18	1	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 15:03	04/27/24 11:18	1	
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 11:18	1	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 15:03	04/27/24 11:18	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	115		70 - 130				04/26/24 15:03	04/27/24 11:18	1	
1,4-Difluorobenzene (Surr)	91		70 - 130				04/26/24 15:03	04/27/24 11:18	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/27/24 11:18	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	157		50.0		mg/Kg			04/26/24 14:31	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		04/26/24 09:23	04/26/24 14:31	1	
Diesel Range Organics (Over C10-C28)	157	*1	50.0		mg/Kg		04/26/24 09:23	04/26/24 14:31	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:23	04/26/24 14:31	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	84		70 - 130				04/26/24 09:23	04/26/24 14:31	1	
o-Terphenyl	93		70 - 130				04/26/24 09:23	04/26/24 14:31	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1340		25.1		mg/Kg			04/29/24 21:07	5	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (6.0')

Lab Sample ID: 890-6531-29

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 15:03	04/27/24 11:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/24 15:03	04/27/24 11:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/24 15:03	04/27/24 11:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/24 15:03	04/27/24 11:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/24 15:03	04/27/24 11:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/24 15:03	04/27/24 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/26/24 15:03	04/27/24 11:38	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/26/24 15:03	04/27/24 11:38	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			04/27/24 11:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	105		49.9		mg/Kg			04/26/24 14:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/24 09:23	04/26/24 14:53	1
Diesel Range Organics (Over C10-C28)	105	*1	49.9		mg/Kg		04/26/24 09:23	04/26/24 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:23	04/26/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/26/24 09:23	04/26/24 14:53	1
o-Terphenyl	107		70 - 130				04/26/24 09:23	04/26/24 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	355		5.00		mg/Kg			04/29/24 21:13	1

Client Sample ID: T - 6 (0 - 1')

Lab Sample ID: 890-6531-30

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 15:03	04/27/24 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 12:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/24 15:03	04/27/24 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 12:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/24 15:03	04/27/24 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				04/26/24 15:03	04/27/24 12:39	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/26/24 15:03	04/27/24 12:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 6 (0 - 1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-30
Matrix: Solid

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			04/27/24 12:39	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	989		49.8		mg/Kg			04/26/24 15:14	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		04/26/24 09:23	04/26/24 15:14	1
Diesel Range Organics (Over C10-C28)	915	*1	49.8		mg/Kg		04/26/24 09:23	04/26/24 15:14	1
Oil Range Organics (Over C28-C36)	73.6		49.8		mg/Kg		04/26/24 09:23	04/26/24 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/26/24 09:23	04/26/24 15:14	1
o-Terphenyl	118		70 - 130				04/26/24 09:23	04/26/24 15:14	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8250		50.3		mg/Kg			04/29/24 21:19	10

Client Sample ID: T - 6 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-31
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		04/26/24 15:03	04/27/24 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 14:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 14:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 14:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				04/26/24 15:03	04/27/24 14:13	1
1,4-Difluorobenzene (Surr)	79		70 - 130				04/26/24 15:03	04/27/24 14:13	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 14:13	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	95.7		49.6		mg/Kg			04/26/24 15:57	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/26/24 09:23	04/26/24 15:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 6 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-31
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)	95.7	*1	49.6		mg/Kg		04/26/24 09:23	04/26/24 15:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/26/24 09:23	04/26/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/26/24 09:23	04/26/24 15:57	1
o-Terphenyl	108		70 - 130				04/26/24 09:23	04/26/24 15:57	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4810		50.5		mg/Kg			04/29/24 21:26	10

Client Sample ID: T - 6 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-32
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		04/26/24 15:03	04/27/24 14:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 14:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 14:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 14:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 14:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/26/24 15:03	04/27/24 14:33	1
1,4-Difluorobenzene (Surr)	92		70 - 130				04/26/24 15:03	04/27/24 14:33	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 14:33	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101		49.6		mg/Kg			04/26/24 16:40	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/26/24 09:23	04/26/24 16:40	1
Diesel Range Organics (Over C10-C28)	101	*1	49.6		mg/Kg		04/26/24 09:23	04/26/24 16:40	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/26/24 09:23	04/26/24 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				04/26/24 09:23	04/26/24 16:40	1
o-Terphenyl	130		70 - 130				04/26/24 09:23	04/26/24 16:40	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4250		49.8		mg/Kg			04/29/24 21:32	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 6 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-33
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 14:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 14:53	1
Ethylbenzene	0.00219		0.00202		mg/Kg		04/26/24 15:03	04/27/24 14:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 15:03	04/27/24 14:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 15:03	04/27/24 14:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 15:03	04/27/24 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				04/26/24 15:03	04/27/24 14:53	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/26/24 15:03	04/27/24 14:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/27/24 14:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	95.8		50.2		mg/Kg			04/26/24 17:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/26/24 09:23	04/26/24 17:01	1
Diesel Range Organics (Over C10-C28)	95.8	*1	50.2		mg/Kg		04/26/24 09:23	04/26/24 17:01	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/26/24 09:23	04/26/24 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				04/26/24 09:23	04/26/24 17:01	1
o-Terphenyl	133	S1+	70 - 130				04/26/24 09:23	04/26/24 17:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		25.0		mg/Kg			04/29/24 11:25	5

Client Sample ID: T - 6 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-34
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		04/26/24 15:03	04/27/24 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 15:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 15:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				04/26/24 15:03	04/27/24 15:14	1
1,4-Difluorobenzene (Surr)	91		70 - 130				04/26/24 15:03	04/27/24 15:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 6 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-34
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 15:14	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	78.4		50.4		mg/Kg			04/26/24 17:22	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/26/24 09:23	04/26/24 17:22	1	
Diesel Range Organics (Over C10-C28)	78.4	*1	50.4		mg/Kg		04/26/24 09:23	04/26/24 17:22	1	
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/26/24 09:23	04/26/24 17:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130				04/26/24 09:23	04/26/24 17:22	1	
o-Terphenyl	128		70 - 130				04/26/24 09:23	04/26/24 17:22	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	54.3		5.04		mg/Kg			04/29/24 11:40	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy 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)
890-6531-1	T - 1 (0 -1')	84	108
890-6531-1 MS	T - 1 (0 -1')	107	106
890-6531-1 MSD	T - 1 (0 -1')	104	105
890-6531-2	T - 1 (1.5')	102	101
890-6531-3	T - 1 (2.0')	50 S1-	112
890-6531-4	T - 1 (3.0')	103	99
890-6531-5	T - 1 (4.0')	92	103
890-6531-6	T - 2 (0 -1')	62 S1-	108
890-6531-7	T - 2 (1.5')	94	101
890-6531-8	T - 2 (2.0')	90	105
890-6531-9	T - 2 (3.0')	102	101
890-6531-10	T - 2 (4.0')	101	101
890-6531-11	T - 2 (5.0')	110	99
890-6531-12	T - 2 (6.0')	101	97
890-6531-13	T - 3 (0 -1')	102	99
890-6531-14	T - 3 (1.5')	90	84
890-6531-15	T - 3 (2.0')	109	97
890-6531-16	T - 3 (3.0')	99	99
890-6531-17	T - 3 (4.0')	56 S1-	109
890-6531-18	T - 4 (0 -1')	105	100
890-6531-19	T - 4 (1.5')	79	105
890-6531-20	T - 4 (2.0')	103	96
890-6531-21	T - 4 (3.0')	115	91
890-6531-21 MS	T - 4 (3.0')	113	101
890-6531-21 MSD	T - 4 (3.0')	113	98
890-6531-22	T - 4 (4.0')	123	84
890-6531-23	T - 5 (0 -1')	117	91
890-6531-24	T - 5 (1.5')	112	78
890-6531-25	T - 5 (2.0')	115	91
890-6531-26	T - 5 (3.0')	117	91
890-6531-27	T - 5 (4.0')	117	91
890-6531-28	T - 5 (5.0')	115	91
890-6531-29	T - 5 (6.0')	116	91
890-6531-30	T - 6 (0 - 1')	127	87
890-6531-31	T - 6 (1.5')	131 S1+	79
890-6531-32	T - 6 (2.0')	117	92
890-6531-33	T - 6 (3.0')	148 S1+	87
890-6531-34	T - 6 (4.0')	115	91
LCS 880-79392/1-A	Lab Control Sample	107	97
LCS 880-79442/1-A	Lab Control Sample	107	96
LCSD 880-79392/2-A	Lab Control Sample Dup	109	97
LCSD 880-79442/2-A	Lab Control Sample Dup	112	99
MB 880-79232/5-A	Method Blank	61 S1-	101
MB 880-79389/5-A	Method Blank	113	88
MB 880-79392/5-A	Method Blank	64 S1-	101
MB 880-79442/5-A	Method Blank	112	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-6531-1	T - 1 (0 -1')	143 S1+	126
890-6531-1 MS	T - 1 (0 -1')	152 S1+	123
890-6531-1 MSD	T - 1 (0 -1')	148 S1+	123
890-6531-2	T - 1 (1.5')	144 S1+	129
890-6531-3	T - 1 (2.0')	138 S1+	127
890-6531-4	T - 1 (3.0')	151 S1+	138 S1+
890-6531-5	T - 1 (4.0')	138 S1+	123
890-6531-6	T - 2 (0 -1')	137 S1+	123
890-6531-7	T - 2 (1.5')	142 S1+	128
890-6531-8	T - 2 (2.0')	148 S1+	140 S1+
890-6531-9	T - 2 (3.0')	155 S1+	140 S1+
890-6531-10	T - 2 (4.0')	127	116
890-6531-11	T - 2 (5.0')	133 S1+	116
890-6531-12	T - 2 (6.0')	137 S1+	122
890-6531-13	T - 3 (0 -1')	311 S1+	278 S1+
890-6531-14	T - 3 (1.5')	138 S1+	127
890-6531-15	T - 3 (2.0')	164 S1+	144 S1+
890-6531-16	T - 3 (3.0')	151 S1+	137 S1+
890-6531-17	T - 3 (4.0')	164 S1+	140 S1+
890-6531-18	T - 4 (0 -1')	161 S1+	141 S1+
890-6531-19	T - 4 (1.5')	143 S1+	132 S1+
890-6531-20	T - 4 (2.0')	142 S1+	133 S1+
890-6531-21	T - 4 (3.0')	141 S1+	154 S1+
890-6531-21 MS	T - 4 (3.0')	136 S1+	138 S1+
890-6531-21 MSD	T - 4 (3.0')	132 S1+	134 S1+
890-6531-22	T - 4 (4.0')	105	114
890-6531-23	T - 5 (0 -1')	128	139 S1+
890-6531-24	T - 5 (1.5')	122	132 S1+
890-6531-25	T - 5 (2.0')	124	126
890-6531-26	T - 5 (3.0')	108	115
890-6531-27	T - 5 (4.0')	87	87
890-6531-28	T - 5 (5.0')	84	93
890-6531-29	T - 5 (6.0')	105	107
890-6531-30	T - 6 (0 - 1')	106	118
890-6531-31	T - 6 (1.5')	102	108
890-6531-32	T - 6 (2.0')	119	130
890-6531-33	T - 6 (3.0')	121	133 S1+
890-6531-34	T - 6 (4.0')	120	128
LCS 880-79384/2-A	Lab Control Sample	113	121
LCS 880-79386/2-A	Lab Control Sample	79	91
LCSD 880-79384/3-A	Lab Control Sample Dup	104	114
LCSD 880-79386/3-A	Lab Control Sample Dup	83	92
MB 880-79384/1-A	Method Blank	105	96
MB 880-79386/1-A	Method Blank	88	103

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-79232/5-A

Matrix: Solid

Analysis Batch: 79382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/24/24 11:11	04/26/24 11:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/24/24 11:11	04/26/24 11:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/24/24 11:11	04/26/24 11:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/24/24 11:11	04/26/24 11:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/24/24 11:11	04/26/24 11:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/24/24 11:11	04/26/24 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	04/24/24 11:11	04/26/24 11:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/24/24 11:11	04/26/24 11:25	1

Lab Sample ID: MB 880-79389/5-A

Matrix: Solid

Analysis Batch: 79381

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:45	04/26/24 22:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/26/24 09:45	04/26/24 22:20	1
1,4-Difluorobenzene (Surr)	88		70 - 130	04/26/24 09:45	04/26/24 22:20	1

Lab Sample ID: MB 880-79392/5-A

Matrix: Solid

Analysis Batch: 79382

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/26/24 23:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:58	04/26/24 23:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:58	04/26/24 23:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	04/26/24 09:58	04/26/24 23:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/26/24 09:58	04/26/24 23:05	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-79392/1-A

Matrix: Solid

Analysis Batch: 79382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.1101		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-79392/2-A

Matrix: Solid

Analysis Batch: 79382

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79392

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	1	35
Toluene	0.100	0.1071		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1110		mg/Kg		111	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2267		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-6531-1 MS

Matrix: Solid

Analysis Batch: 79382

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

Prep Type: Total/NA

Prep Batch: 79392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.08810		mg/Kg		88	70 - 130
Toluene	<0.00199	U	0.100	0.08987		mg/Kg		88	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09342		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	<0.00199	U	0.100	0.09638		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-6531-1 MSD

Matrix: Solid

Analysis Batch: 79382

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

Prep Type: Total/NA

Prep Batch: 79392

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08941		mg/Kg		89	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.08902		mg/Kg		88	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.09110		mg/Kg		91	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-6531-1 MSD
Matrix: Solid
Analysis Batch: 79382

Client Sample ID: T - 1 (0 -1')
Prep Type: Total/NA
Prep Batch: 79392

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	0.200	0.1825		mg/Kg		91	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.09332		mg/Kg		93	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Lab Sample ID: MB 880-79442/5-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79442

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 09:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 15:03	04/27/24 09:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 15:03	04/27/24 09:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/26/24 15:03	04/27/24 09:14	1
1,4-Difluorobenzene (Surr)	88		70 - 130				04/26/24 15:03	04/27/24 09:14	1

Lab Sample ID: LCS 880-79442/1-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1053		mg/Kg		105	70 - 130		
Toluene	0.100	0.09910		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.1015		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130		
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	96		70 - 130						

Lab Sample ID: LCSD 880-79442/2-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	5	35
Toluene	0.100	0.1038		mg/Kg		104	70 - 130	5	35
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2059		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-6531-21 MS

Matrix: Solid

Analysis Batch: 79381

Client Sample ID: T - 4 (3.0')

Prep Type: Total/NA

Prep Batch: 79442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1097		mg/Kg		110	70 - 130
Toluene	<0.00199	U	0.100	0.1026		mg/Kg		103	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09995		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2034		mg/Kg		102	70 - 130
o-Xylene	<0.00199	U	0.100	0.1011		mg/Kg		101	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-6531-21 MSD

Matrix: Solid

Analysis Batch: 79381

Client Sample ID: T - 4 (3.0')

Prep Type: Total/NA

Prep Batch: 79442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09662		mg/Kg		97	70 - 130	13	35
Toluene	<0.00199	U	0.100	0.08964		mg/Kg		90	70 - 130	13	35
Ethylbenzene	<0.00199	U	0.100	0.08612		mg/Kg		86	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1766		mg/Kg		88	70 - 130	14	35
o-Xylene	<0.00199	U	0.100	0.08891		mg/Kg		89	70 - 130	13	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-79384/1-A

Matrix: Solid

Analysis Batch: 79368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79384

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		04/26/24 08:20	04/26/24 08:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 08:20	04/26/24 08:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 08:20	04/26/24 08:40	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	105		70 - 130	04/26/24 08:20	04/26/24 08:40	1			
o-Terphenyl	96		70 - 130	04/26/24 08:20	04/26/24 08:40	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-79384/2-A
Matrix: Solid
Analysis Batch: 79368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	955.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	994.5		mg/Kg		99	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
1-Chlorooctane		113		70 - 130			
o-Terphenyl		121		70 - 130			

Lab Sample ID: LCSD 880-79384/3-A
Matrix: Solid
Analysis Batch: 79368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	979.2		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	3	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		104		70 - 130					
o-Terphenyl		114		70 - 130					

Lab Sample ID: 890-6531-1 MS
Matrix: Solid
Analysis Batch: 79368

Client Sample ID: T - 1 (0 -1')
Prep Type: Total/NA
Prep Batch: 79384

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	1000	931.8		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1089		mg/Kg		107	70 - 130
Surrogate		MS %Recovery	MS Qualifier	Limits					
1-Chlorooctane		152	S1+	70 - 130					
o-Terphenyl		123		70 - 130					

Lab Sample ID: 890-6531-1 MSD
Matrix: Solid
Analysis Batch: 79368

Client Sample ID: T - 1 (0 -1')
Prep Type: Total/NA
Prep Batch: 79384

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	1000	1062		mg/Kg		104	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1115		mg/Kg		110	70 - 130	2	20
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		148	S1+	70 - 130							

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-6531-1 MSD

Matrix: Solid

Analysis Batch: 79368

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

Prep Type: Total/NA

Prep Batch: 79384

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	123		70 - 130

Lab Sample ID: MB 880-79386/1-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79386

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/24 08:23	04/26/24 08:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 08:23	04/26/24 08:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 08:23	04/26/24 08:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/26/24 08:23	04/26/24 08:40	1
<i>o</i> -Terphenyl	103		70 - 130				04/26/24 08:23	04/26/24 08:40	1

Lab Sample ID: LCS 880-79386/2-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	829.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	827.0		mg/Kg		83	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
1-Chlorooctane		79		70 - 130			
<i>o</i> -Terphenyl		91		70 - 130			

Lab Sample ID: LCSD 880-79386/3-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79386

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1035	*1	mg/Kg		104	70 - 130	22	20
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits					
1-Chlorooctane		83		70 - 130					
<i>o</i> -Terphenyl		92		70 - 130					

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-6531-21 MS

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: T - 4 (3.0')

Prep Type: Total/NA

Prep Batch: 79386

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	1214		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	916.9		mg/Kg		87	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	138	S1+	70 - 130								

Lab Sample ID: 890-6531-21 MSD

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: T - 4 (3.0')

Prep Type: Total/NA

Prep Batch: 79386

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	1028		mg/Kg		102	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	888.6		mg/Kg		84	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	132	S1+	70 - 130								
o-Terphenyl	134	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79457/1-A

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			04/29/24 09:44	1

Lab Sample ID: LCS 880-79457/2-A

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	230.5		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-79457/3-A

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		Limits
Chloride	250	231.1		mg/Kg		92	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-42769-A-1-C MS Matrix: Solid Analysis Batch: 79490											Client Sample ID: Matrix Spike Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	3460		1250	4616		mg/Kg		93	90 - 110				
Lab Sample ID: 880-42769-A-1-D MSD Matrix: Solid Analysis Batch: 79490											Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	3460		1250	4579		mg/Kg		90	90 - 110	1	20		
Lab Sample ID: 880-42776-A-4-B MS Matrix: Solid Analysis Batch: 79490											Client Sample ID: Matrix Spike Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	15700		12500	27780		mg/Kg		97	90 - 110				
Lab Sample ID: 880-42776-A-4-C MSD Matrix: Solid Analysis Batch: 79490											Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	15700		12500	27710		mg/Kg		96	90 - 110	0	20		
Lab Sample ID: MB 880-79445/1-A Matrix: Solid Analysis Batch: 79535											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			04/29/24 16:30	1				
Lab Sample ID: LCS 880-79445/2-A Matrix: Solid Analysis Batch: 79535											Client Sample ID: Lab Control Sample Prep Type: Soluble		
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	245.2		mg/Kg		98	90 - 110				
Lab Sample ID: LCSD 880-79445/3-A Matrix: Solid Analysis Batch: 79535											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	237.4		mg/Kg		95	90 - 110	3	20		
Lab Sample ID: 890-6531-3 MS Matrix: Solid Analysis Batch: 79535											Client Sample ID: T - 1 (2.0') Prep Type: Soluble		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	343		250	596.2		mg/Kg		101	90 - 110				

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6531-3 MSD												Client Sample ID: T - 1 (2.0')		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79535														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	343		250	580.7		mg/Kg		95	90 - 110	3	20			
Lab Sample ID: MB 880-79446/1-A												Client Sample ID: Method Blank		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac					
Chloride	<5.00	U	5.00		mg/Kg			04/29/24 18:23	1					
Lab Sample ID: LCS 880-79446/2-A												Client Sample ID: Lab Control Sample		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride			250	240.1		mg/Kg		96	90 - 110					
Lab Sample ID: LCSD 880-79446/3-A												Client Sample ID: Lab Control Sample Dup		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride			250	238.8		mg/Kg		96	90 - 110	1	20			
Lab Sample ID: 890-6531-13 MS												Client Sample ID: T - 3 (0 -1')		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	514	F1	249	734.0	F1	mg/Kg		89	90 - 110					
Lab Sample ID: 890-6531-13 MSD												Client Sample ID: T - 3 (0 -1')		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	514	F1	249	733.6	F1	mg/Kg		88	90 - 110	0	20			
Lab Sample ID: 890-6531-23 MS												Client Sample ID: T - 5 (0 -1')		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	12400	F1	5040	16770	F1	mg/Kg		86	90 - 110					
Lab Sample ID: 890-6531-23 MSD												Client Sample ID: T - 5 (0 -1')		
Matrix: Solid												Prep Type: Soluble		
Analysis Batch: 79558														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	12400	F1	5040	16960		mg/Kg		90	90 - 110	1	20			

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

GC VOA

Prep Batch: 79232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-79232/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 79381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-21	T - 4 (3.0')	Total/NA	Solid	8021B	79442
890-6531-22	T - 4 (4.0')	Total/NA	Solid	8021B	79442
890-6531-23	T - 5 (0 -1')	Total/NA	Solid	8021B	79442
890-6531-24	T - 5 (1.5')	Total/NA	Solid	8021B	79442
890-6531-25	T - 5 (2.0')	Total/NA	Solid	8021B	79442
890-6531-26	T - 5 (3.0')	Total/NA	Solid	8021B	79442
890-6531-27	T - 5 (4.0')	Total/NA	Solid	8021B	79442
890-6531-28	T - 5 (5.0')	Total/NA	Solid	8021B	79442
890-6531-29	T - 5 (6.0')	Total/NA	Solid	8021B	79442
890-6531-30	T - 6 (0 - 1')	Total/NA	Solid	8021B	79442
890-6531-31	T - 6 (1.5')	Total/NA	Solid	8021B	79442
890-6531-32	T - 6 (2.0')	Total/NA	Solid	8021B	79442
890-6531-33	T - 6 (3.0')	Total/NA	Solid	8021B	79442
890-6531-34	T - 6 (4.0')	Total/NA	Solid	8021B	79442
MB 880-79389/5-A	Method Blank	Total/NA	Solid	8021B	79389
MB 880-79442/5-A	Method Blank	Total/NA	Solid	8021B	79442
LCS 880-79442/1-A	Lab Control Sample	Total/NA	Solid	8021B	79442
LCSD 880-79442/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79442
890-6531-21 MS	T - 4 (3.0')	Total/NA	Solid	8021B	79442
890-6531-21 MSD	T - 4 (3.0')	Total/NA	Solid	8021B	79442

Analysis Batch: 79382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Total/NA	Solid	8021B	79392
890-6531-2	T - 1 (1.5')	Total/NA	Solid	8021B	79392
890-6531-3	T - 1 (2.0')	Total/NA	Solid	8021B	79392
890-6531-4	T - 1 (3.0')	Total/NA	Solid	8021B	79392
890-6531-5	T - 1 (4.0')	Total/NA	Solid	8021B	79392
890-6531-6	T - 2 (0 -1')	Total/NA	Solid	8021B	79392
890-6531-7	T - 2 (1.5')	Total/NA	Solid	8021B	79392
890-6531-8	T - 2 (2.0')	Total/NA	Solid	8021B	79392
890-6531-9	T - 2 (3.0')	Total/NA	Solid	8021B	79392
890-6531-10	T - 2 (4.0')	Total/NA	Solid	8021B	79392
890-6531-11	T - 2 (5.0')	Total/NA	Solid	8021B	79392
890-6531-12	T - 2 (6.0')	Total/NA	Solid	8021B	79392
890-6531-13	T - 3 (0 -1')	Total/NA	Solid	8021B	79392
890-6531-14	T - 3 (1.5')	Total/NA	Solid	8021B	79392
890-6531-15	T - 3 (2.0')	Total/NA	Solid	8021B	79392
890-6531-16	T - 3 (3.0')	Total/NA	Solid	8021B	79392
890-6531-17	T - 3 (4.0')	Total/NA	Solid	8021B	79392
890-6531-18	T - 4 (0 -1')	Total/NA	Solid	8021B	79392
890-6531-19	T - 4 (1.5')	Total/NA	Solid	8021B	79392
890-6531-20	T - 4 (2.0')	Total/NA	Solid	8021B	79392
MB 880-79232/5-A	Method Blank	Total/NA	Solid	8021B	79232
MB 880-79392/5-A	Method Blank	Total/NA	Solid	8021B	79392
LCS 880-79392/1-A	Lab Control Sample	Total/NA	Solid	8021B	79392
LCSD 880-79392/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79392

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

GC VOA (Continued)

Analysis Batch: 79382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1 MS	T - 1 (0 -1')	Total/NA	Solid	8021B	79392
890-6531-1 MSD	T - 1 (0 -1')	Total/NA	Solid	8021B	79392

Prep Batch: 79389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-79389/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 79392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Total/NA	Solid	5035	
890-6531-2	T - 1 (1.5')	Total/NA	Solid	5035	
890-6531-3	T - 1 (2.0')	Total/NA	Solid	5035	
890-6531-4	T - 1 (3.0')	Total/NA	Solid	5035	
890-6531-5	T - 1 (4.0')	Total/NA	Solid	5035	
890-6531-6	T - 2 (0 -1')	Total/NA	Solid	5035	
890-6531-7	T - 2 (1.5')	Total/NA	Solid	5035	
890-6531-8	T - 2 (2.0')	Total/NA	Solid	5035	
890-6531-9	T - 2 (3.0')	Total/NA	Solid	5035	
890-6531-10	T - 2 (4.0')	Total/NA	Solid	5035	
890-6531-11	T - 2 (5.0')	Total/NA	Solid	5035	
890-6531-12	T - 2 (6.0')	Total/NA	Solid	5035	
890-6531-13	T - 3 (0 -1')	Total/NA	Solid	5035	
890-6531-14	T - 3 (1.5')	Total/NA	Solid	5035	
890-6531-15	T - 3 (2.0')	Total/NA	Solid	5035	
890-6531-16	T - 3 (3.0')	Total/NA	Solid	5035	
890-6531-17	T - 3 (4.0')	Total/NA	Solid	5035	
890-6531-18	T - 4 (0 -1')	Total/NA	Solid	5035	
890-6531-19	T - 4 (1.5')	Total/NA	Solid	5035	
890-6531-20	T - 4 (2.0')	Total/NA	Solid	5035	
MB 880-79392/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79392/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79392/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6531-1 MS	T - 1 (0 -1')	Total/NA	Solid	5035	
890-6531-1 MSD	T - 1 (0 -1')	Total/NA	Solid	5035	

Prep Batch: 79442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-21	T - 4 (3.0')	Total/NA	Solid	5035	
890-6531-22	T - 4 (4.0')	Total/NA	Solid	5035	
890-6531-23	T - 5 (0 -1')	Total/NA	Solid	5035	
890-6531-24	T - 5 (1.5')	Total/NA	Solid	5035	
890-6531-25	T - 5 (2.0')	Total/NA	Solid	5035	
890-6531-26	T - 5 (3.0')	Total/NA	Solid	5035	
890-6531-27	T - 5 (4.0')	Total/NA	Solid	5035	
890-6531-28	T - 5 (5.0')	Total/NA	Solid	5035	
890-6531-29	T - 5 (6.0')	Total/NA	Solid	5035	
890-6531-30	T - 6 (0 - 1')	Total/NA	Solid	5035	
890-6531-31	T - 6 (1.5')	Total/NA	Solid	5035	
890-6531-32	T - 6 (2.0')	Total/NA	Solid	5035	
890-6531-33	T - 6 (3.0')	Total/NA	Solid	5035	
890-6531-34	T - 6 (4.0')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

GC VOA (Continued)

Prep Batch: 79442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-79442/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79442/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79442/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6531-21 MS	T - 4 (3.0')	Total/NA	Solid	5035	
890-6531-21 MSD	T - 4 (3.0')	Total/NA	Solid	5035	

Analysis Batch: 79556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Total/NA	Solid	Total BTEX	
890-6531-2	T - 1 (1.5')	Total/NA	Solid	Total BTEX	
890-6531-3	T - 1 (2.0')	Total/NA	Solid	Total BTEX	
890-6531-4	T - 1 (3.0')	Total/NA	Solid	Total BTEX	
890-6531-5	T - 1 (4.0')	Total/NA	Solid	Total BTEX	
890-6531-6	T - 2 (0 -1')	Total/NA	Solid	Total BTEX	
890-6531-7	T - 2 (1.5')	Total/NA	Solid	Total BTEX	
890-6531-8	T - 2 (2.0')	Total/NA	Solid	Total BTEX	
890-6531-9	T - 2 (3.0')	Total/NA	Solid	Total BTEX	
890-6531-10	T - 2 (4.0')	Total/NA	Solid	Total BTEX	
890-6531-11	T - 2 (5.0')	Total/NA	Solid	Total BTEX	
890-6531-12	T - 2 (6.0')	Total/NA	Solid	Total BTEX	
890-6531-13	T - 3 (0 -1')	Total/NA	Solid	Total BTEX	
890-6531-14	T - 3 (1.5')	Total/NA	Solid	Total BTEX	
890-6531-15	T - 3 (2.0')	Total/NA	Solid	Total BTEX	
890-6531-16	T - 3 (3.0')	Total/NA	Solid	Total BTEX	
890-6531-17	T - 3 (4.0')	Total/NA	Solid	Total BTEX	
890-6531-18	T - 4 (0 -1')	Total/NA	Solid	Total BTEX	
890-6531-19	T - 4 (1.5')	Total/NA	Solid	Total BTEX	
890-6531-20	T - 4 (2.0')	Total/NA	Solid	Total BTEX	
890-6531-21	T - 4 (3.0')	Total/NA	Solid	Total BTEX	
890-6531-22	T - 4 (4.0')	Total/NA	Solid	Total BTEX	
890-6531-23	T - 5 (0 -1')	Total/NA	Solid	Total BTEX	
890-6531-24	T - 5 (1.5')	Total/NA	Solid	Total BTEX	
890-6531-25	T - 5 (2.0')	Total/NA	Solid	Total BTEX	
890-6531-26	T - 5 (3.0')	Total/NA	Solid	Total BTEX	
890-6531-27	T - 5 (4.0')	Total/NA	Solid	Total BTEX	
890-6531-28	T - 5 (5.0')	Total/NA	Solid	Total BTEX	
890-6531-29	T - 5 (6.0')	Total/NA	Solid	Total BTEX	
890-6531-30	T - 6 (0 -1')	Total/NA	Solid	Total BTEX	
890-6531-31	T - 6 (1.5')	Total/NA	Solid	Total BTEX	
890-6531-32	T - 6 (2.0')	Total/NA	Solid	Total BTEX	
890-6531-33	T - 6 (3.0')	Total/NA	Solid	Total BTEX	
890-6531-34	T - 6 (4.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 79368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Total/NA	Solid	8015B NM	79384
890-6531-2	T - 1 (1.5')	Total/NA	Solid	8015B NM	79384
890-6531-3	T - 1 (2.0')	Total/NA	Solid	8015B NM	79384
890-6531-4	T - 1 (3.0')	Total/NA	Solid	8015B NM	79384

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 79368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-5	T - 1 (4.0')	Total/NA	Solid	8015B NM	79384
890-6531-6	T - 2 (0 -1')	Total/NA	Solid	8015B NM	79384
890-6531-7	T - 2 (1.5')	Total/NA	Solid	8015B NM	79384
890-6531-8	T - 2 (2.0')	Total/NA	Solid	8015B NM	79384
890-6531-9	T - 2 (3.0')	Total/NA	Solid	8015B NM	79384
890-6531-10	T - 2 (4.0')	Total/NA	Solid	8015B NM	79384
890-6531-11	T - 2 (5.0')	Total/NA	Solid	8015B NM	79384
890-6531-12	T - 2 (6.0')	Total/NA	Solid	8015B NM	79384
890-6531-13	T - 3 (0 -1')	Total/NA	Solid	8015B NM	79384
890-6531-14	T - 3 (1.5')	Total/NA	Solid	8015B NM	79384
890-6531-15	T - 3 (2.0')	Total/NA	Solid	8015B NM	79384
890-6531-16	T - 3 (3.0')	Total/NA	Solid	8015B NM	79384
890-6531-17	T - 3 (4.0')	Total/NA	Solid	8015B NM	79384
890-6531-18	T - 4 (0 -1')	Total/NA	Solid	8015B NM	79384
890-6531-19	T - 4 (1.5')	Total/NA	Solid	8015B NM	79384
890-6531-20	T - 4 (2.0')	Total/NA	Solid	8015B NM	79384
MB 880-79384/1-A	Method Blank	Total/NA	Solid	8015B NM	79384
LCS 880-79384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79384
LCSD 880-79384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79384
890-6531-1 MS	T - 1 (0 -1')	Total/NA	Solid	8015B NM	79384
890-6531-1 MSD	T - 1 (0 -1')	Total/NA	Solid	8015B NM	79384

Analysis Batch: 79370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-21	T - 4 (3.0')	Total/NA	Solid	8015B NM	79386
890-6531-22	T - 4 (4.0')	Total/NA	Solid	8015B NM	79386
890-6531-23	T - 5 (0 -1')	Total/NA	Solid	8015B NM	79386
890-6531-24	T - 5 (1.5')	Total/NA	Solid	8015B NM	79386
890-6531-25	T - 5 (2.0')	Total/NA	Solid	8015B NM	79386
890-6531-26	T - 5 (3.0')	Total/NA	Solid	8015B NM	79386
890-6531-27	T - 5 (4.0')	Total/NA	Solid	8015B NM	79386
890-6531-28	T - 5 (5.0')	Total/NA	Solid	8015B NM	79386
890-6531-29	T - 5 (6.0')	Total/NA	Solid	8015B NM	79386
890-6531-30	T - 6 (0 - 1')	Total/NA	Solid	8015B NM	79386
890-6531-31	T - 6 (1.5')	Total/NA	Solid	8015B NM	79386
890-6531-32	T - 6 (2.0')	Total/NA	Solid	8015B NM	79386
890-6531-33	T - 6 (3.0')	Total/NA	Solid	8015B NM	79386
890-6531-34	T - 6 (4.0')	Total/NA	Solid	8015B NM	79386
MB 880-79386/1-A	Method Blank	Total/NA	Solid	8015B NM	79386
LCS 880-79386/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79386
LCSD 880-79386/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79386
890-6531-21 MS	T - 4 (3.0')	Total/NA	Solid	8015B NM	79386
890-6531-21 MSD	T - 4 (3.0')	Total/NA	Solid	8015B NM	79386

Prep Batch: 79384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Total/NA	Solid	8015NM Prep	
890-6531-2	T - 1 (1.5')	Total/NA	Solid	8015NM Prep	
890-6531-3	T - 1 (2.0')	Total/NA	Solid	8015NM Prep	
890-6531-4	T - 1 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-5	T - 1 (4.0')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Prep Batch: 79384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-6	T - 2 (0 -1')	Total/NA	Solid	8015NM Prep	
890-6531-7	T - 2 (1.5')	Total/NA	Solid	8015NM Prep	
890-6531-8	T - 2 (2.0')	Total/NA	Solid	8015NM Prep	
890-6531-9	T - 2 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-10	T - 2 (4.0')	Total/NA	Solid	8015NM Prep	
890-6531-11	T - 2 (5.0')	Total/NA	Solid	8015NM Prep	
890-6531-12	T - 2 (6.0')	Total/NA	Solid	8015NM Prep	
890-6531-13	T - 3 (0 -1')	Total/NA	Solid	8015NM Prep	
890-6531-14	T - 3 (1.5')	Total/NA	Solid	8015NM Prep	
890-6531-15	T - 3 (2.0')	Total/NA	Solid	8015NM Prep	
890-6531-16	T - 3 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-17	T - 3 (4.0')	Total/NA	Solid	8015NM Prep	
890-6531-18	T - 4 (0 -1')	Total/NA	Solid	8015NM Prep	
890-6531-19	T - 4 (1.5')	Total/NA	Solid	8015NM Prep	
890-6531-20	T - 4 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-79384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6531-1 MS	T - 1 (0 -1')	Total/NA	Solid	8015NM Prep	
890-6531-1 MSD	T - 1 (0 -1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 79386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-21	T - 4 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-22	T - 4 (4.0')	Total/NA	Solid	8015NM Prep	
890-6531-23	T - 5 (0 -1')	Total/NA	Solid	8015NM Prep	
890-6531-24	T - 5 (1.5')	Total/NA	Solid	8015NM Prep	
890-6531-25	T - 5 (2.0')	Total/NA	Solid	8015NM Prep	
890-6531-26	T - 5 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-27	T - 5 (4.0')	Total/NA	Solid	8015NM Prep	
890-6531-28	T - 5 (5.0')	Total/NA	Solid	8015NM Prep	
890-6531-29	T - 5 (6.0')	Total/NA	Solid	8015NM Prep	
890-6531-30	T - 6 (0 - 1')	Total/NA	Solid	8015NM Prep	
890-6531-31	T - 6 (1.5')	Total/NA	Solid	8015NM Prep	
890-6531-32	T - 6 (2.0')	Total/NA	Solid	8015NM Prep	
890-6531-33	T - 6 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-34	T - 6 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-79386/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79386/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79386/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6531-21 MS	T - 4 (3.0')	Total/NA	Solid	8015NM Prep	
890-6531-21 MSD	T - 4 (3.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 79572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Total/NA	Solid	8015 NM	
890-6531-2	T - 1 (1.5')	Total/NA	Solid	8015 NM	
890-6531-3	T - 1 (2.0')	Total/NA	Solid	8015 NM	
890-6531-4	T - 1 (3.0')	Total/NA	Solid	8015 NM	
890-6531-5	T - 1 (4.0')	Total/NA	Solid	8015 NM	
890-6531-6	T - 2 (0 -1')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 79572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-7	T - 2 (1.5')	Total/NA	Solid	8015 NM	
890-6531-8	T - 2 (2.0')	Total/NA	Solid	8015 NM	
890-6531-9	T - 2 (3.0')	Total/NA	Solid	8015 NM	
890-6531-10	T - 2 (4.0')	Total/NA	Solid	8015 NM	
890-6531-11	T - 2 (5.0')	Total/NA	Solid	8015 NM	
890-6531-12	T - 2 (6.0')	Total/NA	Solid	8015 NM	
890-6531-13	T - 3 (0 - 1')	Total/NA	Solid	8015 NM	
890-6531-14	T - 3 (1.5')	Total/NA	Solid	8015 NM	
890-6531-15	T - 3 (2.0')	Total/NA	Solid	8015 NM	
890-6531-16	T - 3 (3.0')	Total/NA	Solid	8015 NM	
890-6531-17	T - 3 (4.0')	Total/NA	Solid	8015 NM	
890-6531-18	T - 4 (0 - 1')	Total/NA	Solid	8015 NM	
890-6531-19	T - 4 (1.5')	Total/NA	Solid	8015 NM	
890-6531-20	T - 4 (2.0')	Total/NA	Solid	8015 NM	
890-6531-21	T - 4 (3.0')	Total/NA	Solid	8015 NM	
890-6531-22	T - 4 (4.0')	Total/NA	Solid	8015 NM	
890-6531-23	T - 5 (0 - 1')	Total/NA	Solid	8015 NM	
890-6531-24	T - 5 (1.5')	Total/NA	Solid	8015 NM	
890-6531-25	T - 5 (2.0')	Total/NA	Solid	8015 NM	
890-6531-26	T - 5 (3.0')	Total/NA	Solid	8015 NM	
890-6531-27	T - 5 (4.0')	Total/NA	Solid	8015 NM	
890-6531-28	T - 5 (5.0')	Total/NA	Solid	8015 NM	
890-6531-29	T - 5 (6.0')	Total/NA	Solid	8015 NM	
890-6531-30	T - 6 (0 - 1')	Total/NA	Solid	8015 NM	
890-6531-31	T - 6 (1.5')	Total/NA	Solid	8015 NM	
890-6531-32	T - 6 (2.0')	Total/NA	Solid	8015 NM	
890-6531-33	T - 6 (3.0')	Total/NA	Solid	8015 NM	
890-6531-34	T - 6 (4.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 - 1')	Soluble	Solid	DI Leach	
890-6531-2	T - 1 (1.5')	Soluble	Solid	DI Leach	
890-6531-3	T - 1 (2.0')	Soluble	Solid	DI Leach	
890-6531-4	T - 1 (3.0')	Soluble	Solid	DI Leach	
890-6531-5	T - 1 (4.0')	Soluble	Solid	DI Leach	
890-6531-6	T - 2 (0 - 1')	Soluble	Solid	DI Leach	
890-6531-7	T - 2 (1.5')	Soluble	Solid	DI Leach	
890-6531-8	T - 2 (2.0')	Soluble	Solid	DI Leach	
890-6531-9	T - 2 (3.0')	Soluble	Solid	DI Leach	
890-6531-10	T - 2 (4.0')	Soluble	Solid	DI Leach	
890-6531-11	T - 2 (5.0')	Soluble	Solid	DI Leach	
890-6531-12	T - 2 (6.0')	Soluble	Solid	DI Leach	
MB 880-79445/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79445/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79445/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6531-3 MS	T - 1 (2.0')	Soluble	Solid	DI Leach	
890-6531-3 MSD	T - 1 (2.0')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

HPLC/IC

Leach Batch: 79446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-13	T - 3 (0 -1')	Soluble	Solid	DI Leach	
890-6531-14	T - 3 (1.5')	Soluble	Solid	DI Leach	
890-6531-15	T - 3 (2.0')	Soluble	Solid	DI Leach	
890-6531-16	T - 3 (3.0')	Soluble	Solid	DI Leach	
890-6531-17	T - 3 (4.0')	Soluble	Solid	DI Leach	
890-6531-18	T - 4 (0 -1')	Soluble	Solid	DI Leach	
890-6531-19	T - 4 (1.5')	Soluble	Solid	DI Leach	
890-6531-20	T - 4 (2.0')	Soluble	Solid	DI Leach	
890-6531-21	T - 4 (3.0')	Soluble	Solid	DI Leach	
890-6531-22	T - 4 (4.0')	Soluble	Solid	DI Leach	
890-6531-23	T - 5 (0 -1')	Soluble	Solid	DI Leach	
890-6531-24	T - 5 (1.5')	Soluble	Solid	DI Leach	
890-6531-25	T - 5 (2.0')	Soluble	Solid	DI Leach	
890-6531-26	T - 5 (3.0')	Soluble	Solid	DI Leach	
890-6531-27	T - 5 (4.0')	Soluble	Solid	DI Leach	
890-6531-28	T - 5 (5.0')	Soluble	Solid	DI Leach	
890-6531-29	T - 5 (6.0')	Soluble	Solid	DI Leach	
890-6531-30	T - 6 (0 - 1')	Soluble	Solid	DI Leach	
890-6531-31	T - 6 (1.5')	Soluble	Solid	DI Leach	
890-6531-32	T - 6 (2.0')	Soluble	Solid	DI Leach	
MB 880-79446/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79446/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79446/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6531-13 MS	T - 3 (0 -1')	Soluble	Solid	DI Leach	
890-6531-13 MSD	T - 3 (0 -1')	Soluble	Solid	DI Leach	
890-6531-23 MS	T - 5 (0 -1')	Soluble	Solid	DI Leach	
890-6531-23 MSD	T - 5 (0 -1')	Soluble	Solid	DI Leach	

Leach Batch: 79457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-33	T - 6 (3.0')	Soluble	Solid	DI Leach	
890-6531-34	T - 6 (4.0')	Soluble	Solid	DI Leach	
MB 880-79457/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79457/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79457/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42769-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42769-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-42776-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42776-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 79490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-33	T - 6 (3.0')	Soluble	Solid	300.0	79457
890-6531-34	T - 6 (4.0')	Soluble	Solid	300.0	79457
MB 880-79457/1-A	Method Blank	Soluble	Solid	300.0	79457
LCS 880-79457/2-A	Lab Control Sample	Soluble	Solid	300.0	79457
LCSD 880-79457/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79457
880-42769-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	79457
880-42769-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	79457
880-42776-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	79457
880-42776-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	79457

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

HPLC/IC

Analysis Batch: 79535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-1	T - 1 (0 -1')	Soluble	Solid	300.0	79445
890-6531-2	T - 1 (1.5')	Soluble	Solid	300.0	79445
890-6531-3	T - 1 (2.0')	Soluble	Solid	300.0	79445
890-6531-4	T - 1 (3.0')	Soluble	Solid	300.0	79445
890-6531-5	T - 1 (4.0')	Soluble	Solid	300.0	79445
890-6531-6	T - 2 (0 -1')	Soluble	Solid	300.0	79445
890-6531-7	T - 2 (1.5')	Soluble	Solid	300.0	79445
890-6531-8	T - 2 (2.0')	Soluble	Solid	300.0	79445
890-6531-9	T - 2 (3.0')	Soluble	Solid	300.0	79445
890-6531-10	T - 2 (4.0')	Soluble	Solid	300.0	79445
890-6531-11	T - 2 (5.0')	Soluble	Solid	300.0	79445
890-6531-12	T - 2 (6.0')	Soluble	Solid	300.0	79445
MB 880-79445/1-A	Method Blank	Soluble	Solid	300.0	79445
LCS 880-79445/2-A	Lab Control Sample	Soluble	Solid	300.0	79445
LCSD 880-79445/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79445
890-6531-3 MS	T - 1 (2.0')	Soluble	Solid	300.0	79445
890-6531-3 MSD	T - 1 (2.0')	Soluble	Solid	300.0	79445

Analysis Batch: 79558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6531-13	T - 3 (0 -1')	Soluble	Solid	300.0	79446
890-6531-14	T - 3 (1.5')	Soluble	Solid	300.0	79446
890-6531-15	T - 3 (2.0')	Soluble	Solid	300.0	79446
890-6531-16	T - 3 (3.0')	Soluble	Solid	300.0	79446
890-6531-17	T - 3 (4.0')	Soluble	Solid	300.0	79446
890-6531-18	T - 4 (0 -1')	Soluble	Solid	300.0	79446
890-6531-19	T - 4 (1.5')	Soluble	Solid	300.0	79446
890-6531-20	T - 4 (2.0')	Soluble	Solid	300.0	79446
890-6531-21	T - 4 (3.0')	Soluble	Solid	300.0	79446
890-6531-22	T - 4 (4.0')	Soluble	Solid	300.0	79446
890-6531-23	T - 5 (0 -1')	Soluble	Solid	300.0	79446
890-6531-24	T - 5 (1.5')	Soluble	Solid	300.0	79446
890-6531-25	T - 5 (2.0')	Soluble	Solid	300.0	79446
890-6531-26	T - 5 (3.0')	Soluble	Solid	300.0	79446
890-6531-27	T - 5 (4.0')	Soluble	Solid	300.0	79446
890-6531-28	T - 5 (5.0')	Soluble	Solid	300.0	79446
890-6531-29	T - 5 (6.0')	Soluble	Solid	300.0	79446
890-6531-30	T - 6 (0 - 1')	Soluble	Solid	300.0	79446
890-6531-31	T - 6 (1.5')	Soluble	Solid	300.0	79446
890-6531-32	T - 6 (2.0')	Soluble	Solid	300.0	79446
MB 880-79446/1-A	Method Blank	Soluble	Solid	300.0	79446
LCS 880-79446/2-A	Lab Control Sample	Soluble	Solid	300.0	79446
LCSD 880-79446/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79446
890-6531-13 MS	T - 3 (0 -1')	Soluble	Solid	300.0	79446
890-6531-13 MSD	T - 3 (0 -1')	Soluble	Solid	300.0	79446
890-6531-23 MS	T - 5 (0 -1')	Soluble	Solid	300.0	79446
890-6531-23 MSD	T - 5 (0 -1')	Soluble	Solid	300.0	79446

Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 1 (0 -1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/26/24 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/26/24 23:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	79535	04/29/24 18:03	SMC	EET MID

Client Sample ID: T - 1 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/26/24 23:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/26/24 23:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 12:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79535	04/29/24 18:09	SMC	EET MID

Client Sample ID: T - 1 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 00:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 12:46	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79535	04/29/24 18:15	SMC	EET MID

Client Sample ID: T - 1 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 00:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 00:28	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 1 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-4
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			79572	04/26/24 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 13:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79535	04/29/24 18:34	SMC	EET MID

Client Sample ID: T - 1 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-5
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			5.00 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 00:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 13:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79535	04/29/24 18:40	SMC	EET MID

Client Sample ID: T - 2 (0 -1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-6
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	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 01:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 13:49	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	79535	04/29/24 18:58	SMC	EET MID

Client Sample ID: T - 2 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-7
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			5.02 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 01:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 14:10	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79535	04/29/24 19:04	SMC	EET MID

Client Sample ID: T - 2 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 14:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 14:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79535	04/29/24 19:11	SMC	EET MID

Client Sample ID: T - 2 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 14:53	SM	EET MID
Soluble	Leach	DI Leach			4.87 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79535	04/29/24 19:17	SMC	EET MID

Client Sample ID: T - 2 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 02:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 02:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 15:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79535	04/29/24 19:23	SMC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 2 (5.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-11
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			5.00 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 03:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 03:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 15:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79535	04/29/24 19:29	SMC	EET MID

Client Sample ID: T - 2 (6.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-12
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			5.00 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 04:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 04:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 16:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79445	04/26/24 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79535	04/29/24 19:35	SMC	EET MID

Client Sample ID: T - 3 (0 -1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-13
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			4.95 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 04:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 04:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 17:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 17:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 18:42	SMC	EET MID

Client Sample ID: T - 3 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-14
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			5.00 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 04:57	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 3 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-14
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			79572	04/26/24 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:01	SMC	EET MID

Client Sample ID: T - 3 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-15
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			5.05 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 05:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 17:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:07	SMC	EET MID

Client Sample ID: T - 3 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-16
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	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 05:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:13	SMC	EET MID

Client Sample ID: T - 3 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-17
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			5.01 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 05:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 18:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 18:26	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 3 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:19	SMC	EET MID

Client Sample ID: T - 4 (0 -1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 06:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 06:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 18:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 18:47	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79558	04/29/24 19:39	SMC	EET MID

Client Sample ID: T - 4 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 06:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 06:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 19:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 19:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:45	SMC	EET MID

Client Sample ID: T - 4 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79392	04/26/24 09:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79382	04/27/24 07:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 07:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 19:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79384	04/26/24 09:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79368	04/26/24 19:29	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:51	SMC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 4 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 09:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 09:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 11:21	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 19:57	SMC	EET MID

Client Sample ID: T - 4 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-22
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	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 09:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 09:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 12:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 20:04	SMC	EET MID

Client Sample ID: T - 5 (0 -1')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-23
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			4.95 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 10:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 10:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 12:46	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	79558	04/29/24 20:10	SMC	EET MID

Client Sample ID: T - 5 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-24
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			4.98 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 11:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 11:59	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-24
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			79572	04/26/24 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 13:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79558	04/29/24 20:29	SMC	EET MID

Client Sample ID: T - 5 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 13:28	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79558	04/29/24 20:35	SMC	EET MID

Client Sample ID: T - 5 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-26
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	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 10:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 10:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 13:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 20:54	SMC	EET MID

Client Sample ID: T - 5 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-27
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	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 10:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 10:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 14:10	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 5 (4.0')

Lab Sample ID: 890-6531-27

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 21:00	SMC	EET MID

Client Sample ID: T - 5 (5.0')

Lab Sample ID: 890-6531-28

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 11:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 11:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 14:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 14:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79558	04/29/24 21:07	SMC	EET MID

Client Sample ID: T - 5 (6.0')

Lab Sample ID: 890-6531-29

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

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	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 11:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 11:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 14:53	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79558	04/29/24 21:13	SMC	EET MID

Client Sample ID: T - 6 (0 - 1')

Lab Sample ID: 890-6531-30

Date Collected: 04/23/24 00:00

Matrix: Solid

Date Received: 04/25/24 10:09

Prep 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	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 12:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 15:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79558	04/29/24 21:19	SMC	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 6 (1.5')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 14:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 15:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79558	04/29/24 21:26	SMC	EET MID

Client Sample ID: T - 6 (2.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 14:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 16:40	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	79446	04/26/24 15:46	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	79558	04/29/24 21:32	SMC	EET MID

Client Sample ID: T - 6 (3.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-33
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			4.95 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 14:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			79572	04/26/24 17:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 17:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	79490	04/29/24 11:25	SMC	EET MID

Client Sample ID: T - 6 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	79442	04/26/24 15:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79556	04/27/24 15:14	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Client Sample ID: T - 6 (4.0')
Date Collected: 04/23/24 00:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6531-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			79572	04/26/24 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 11:40	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy 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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy 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	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6531-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6531-1	T - 1 (0 -1')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-2	T - 1 (1.5')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-3	T - 1 (2.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-4	T - 1 (3.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-5	T - 1 (4.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-6	T - 2 (0 -1')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-7	T - 2 (1.5')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-8	T - 2 (2.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-9	T - 2 (3.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-10	T - 2 (4.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-11	T - 2 (5.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-12	T - 2 (6.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-13	T - 3 (0 -1')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-14	T - 3 (1.5')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-15	T - 3 (2.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-16	T - 3 (3.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-17	T - 3 (4.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-18	T - 4 (0 -1')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-19	T - 4 (1.5')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-20	T - 4 (2.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-21	T - 4 (3.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-22	T - 4 (4.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-23	T - 5 (0 -1')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-24	T - 5 (1.5')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-25	T - 5 (2.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-26	T - 5 (3.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-27	T - 5 (4.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-28	T - 5 (5.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-29	T - 5 (6.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-30	T - 6 (0 - 1')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-31	T - 6 (1.5')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-32	T - 6 (2.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-33	T - 6 (3.0')	Solid	04/23/24 00:00	04/25/24 10:09
890-6531-34	T - 6 (4.0')	Solid	04/23/24 00:00	04/25/24 10:09

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Chain of Custody

Work Order No: _____

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Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGI Water Solutions Permian
Address:	310 W Wall St Ste 500	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@ngi.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfield ☐ RR ☐ Superfund ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ PST/US ☐ TRR ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Moutray SWD	Turn Around	Pras. Code	ANALYSIS REQUEST		Preservative Codes
Project Number:	2333	☒ Routine ☐ Rush				1one: NO DI Water: H ₂ O
Project Location:	Eddy Co, NM	Due Date:				ool: Cool MeOH: Me
Sampler's Name:	NM					CL: HO HNO ₃ : HN
PG #:						2SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes ☒ No ☐	Thermometer ID: Yes ☒ No ☐	Wet Ice: Yes ☐ No ☒			3PO ₄ : HP
Received Inact:	Yes ☒ No ☐	Correction Factor: Yes ☒ No ☐				4HSO ₄ : NABIS
Cooler Custody Seals:	Yes ☒ No ☐	Temperature Reading: Yes ☒ No ☐				5Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes ☒ No ☐	Corrected Temperature: Yes ☒ No ☐				6Zn Acetate: H ₂ O: Zn
Total Containers:						7NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	TPH												Sample Comments
T-1 (0-1')	4/23/2024		X		G	1	X	X	X										
T-1 (1.5')	4/23/2024		X		G	1	X	X	X										
T-1 (2.0')	4/23/2024		X		G	1	X	X	X										
T-1 (3.0')	4/23/2024		X		G	1	X	X	X										
T-1 (4.0')	4/23/2024		X		G	1	X	X	X										
T-2 (0-1')	4/23/2024		X		G	1	X	X	X										
T-2 (1.5')	4/23/2024		X		G	1	X	X	X										
T-2 (2.0')	4/23/2024		X		G	1	X	X	X										
T-2 (3.0')	4/23/2024		X		G	1	X	X	X										
T-2 (4.0')	4/23/2024		X		G	1	X	X	X										

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	4/23/24	<i>Joseph Vargo</i>	4/25 10:00

Chain of Custody

Work Order No: _____

Page 2 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGI Water Solutions Permian
Address:	310 W Wall St Ste 500	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@ndler.com

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

Project Name:	Moutray SWD	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
		☒ Routine	☐ Rush														None: NO	DI Water: H ₂ O
Project Number:	2333																Cool: Cool	MeOH: Me
Project Location:	Eddy Co, NM	Due Date:															HCL: HC	HNO ₃ : HN
Sampler's Name:	MM																H ₂ SO ₄ : H ₂	NaOH: Na
PO #:																	H ₃ PO ₄ : HP	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No													NaHSO ₄ : NABIS
	Received Intact:	Yes	No	Thermometer ID:														Na ₂ S ₂ O ₃ : NaSO ₃
	Coder Custody Seals:	Yes	No	Correction Factor:														Zn Acetate+NaOH: Zn
	Sample Custody Seals:	Yes	No	Temperature Reading:														NaOH+Ascorbic Acid: SAPC
Total Containers:		Corrected Temperature:																
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
T-2 (5.0)		4/23/2024		X		G	1	X	X	X								
T-2 (6.0)		4/23/2024		X		G	1	X	X	X								
T-3 (0-1')		4/23/2024		X		G	1	X	X	X								
T-3 (1.5')		4/23/2024		X		G	1	X	X	X								
T-3 (2.0')		4/23/2024		X		G	1	X	X	X								
T-3 (3.0')		4/23/2024		X		G	1	X	X	X								
T-3 (4.0')		4/23/2024		X		G	1	X	X	X								
T-4 (0-1')		4/23/2024		X		G	1	X	X	X								
T-4 (1.5')		4/23/2024		X		G	1	X	X	X								
T-4 (2.0')		4/23/2024		X		G	1	X	X	X								

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	4/23/24	<i>Joseph Vargo</i>	4/25 10:01

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Chain of Custody

Work Order No: _____

Page 3 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St Ste 500	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@nqlco.com

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

Project Name:	Moutray SWD	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2333																None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co. NM	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	MM																HCL-HO	HNO ₃ -HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No	Well Ice:	Yes No	Parameters												Zn-Acetate+NaOH: Zn	
Received Intact:	Yes No	Thermometer ID:				BTEX 8021B												NaOH+Ascorbic Acid: SAPC	
Cooler Custody Seals:	Yes No N/A	Correction Factor:				TPH 8015M (GRO + DRO + MRO)													
Sample Custody Seals:	Yes No N/A	Temperature Reading:				Chloride 300.0													
Total Containers:		Corrected Temperature:																	
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont												Sample Comments	
T-4 (3.0')	4/23/2024		X		G	1	X	X	X	X									
T-4 (4.0')	4/23/2024		X		G	1	X	X	X	X									
T-5 (0-1')	4/23/2024		X		G	1	X	X	X	X									
T-5 (1.5')	4/23/2024		X		G	1	X	X	X	X									
T-5 (2.0')	4/23/2024		X		G	1	X	X	X	X									
T-5 (3.0')	4/23/2024		X		G	1	X	X	X	X									
T-5 (4.0')	4/23/2024		X		G	1	X	X	X	X									
T-5 (5.0')	4/23/2024		X		G	1	X	X	X	X									
T-5 (6.0')	4/23/2024		X		G	1	X	X	X	X									
T-6 (0-1')	4/23/2024		X		G	1	X	X	X	X									

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4/23/24		4/25/24

Work Order No: _____

Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St Ste 500	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@nngl.com

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

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Donny Gentry</i>	7/23/24	<i>Donny Gentry</i>	7/23 10:00

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6531-1

SDG Number: Eddy Co NM

Login Number: 6531

List Source: Eurofins Carlsbad

List Number: 1

Creator: Bruns, Shannon

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6531-1

SDG Number: Eddy Co NM

Login Number: 6531

List Source: Eurofins Midland

List Number: 2

List Creation: 04/26/24 08:19 AM

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/30/2024 1:24:48 PM

JOB DESCRIPTION

Moutray SWD
Eddy CO NM

JOB NUMBER

890-6532-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
4/30/2024 1:24:48 PM

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

Client: Carmona Resources
Project/Site: Moutray SWD

Laboratory Job ID: 890-6532-1
SDG: Eddy CO NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Moutray SWD

Job ID: 890-6532-1

Job ID: 890-6532-1

Eurofins Carlsbad

Job Narrative 890-6532-1

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

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

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

Receipt

The samples were received on 4/25/2024 10:09 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 -7.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (890-6532-1), H-2 (890-6532-2), H-3 (890-6532-3), H-4 (890-6532-4), H-5 (890-6532-5) and H-6 (890-6532-6).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (890-6532-2) and H-6 (890-6532-6). 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 samples were outside control limits: H-1 (890-6532-1), H-3 (890-6532-3), H-4 (890-6532-4), H-6 (890-6532-6), (890-6531-A-21-A), (890-6531-A-21-B MS) and (890-6531-A-21-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-79386 and analytical batch 880-79370 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-1

Lab Sample ID: 890-6532-1

Date Collected: 04/23/24 12:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:45	04/26/24 22:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:45	04/26/24 22:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:45	04/26/24 22:41	1
m-Xylene & p-Xylene	0.00401		0.00398		mg/Kg		04/26/24 09:45	04/26/24 22:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/24 09:45	04/26/24 22:41	1
Xylenes, Total	0.00401		0.00398		mg/Kg		04/26/24 09:45	04/26/24 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				04/26/24 09:45	04/26/24 22:41	1
1,4-Difluorobenzene (Surr)	79		70 - 130				04/26/24 09:45	04/26/24 22:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00401		0.00398		mg/Kg			04/26/24 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.0		50.5		mg/Kg			04/26/24 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/26/24 09:23	04/26/24 17:44	1
Diesel Range Organics (Over C10-C28)	70.0	*1	50.5		mg/Kg		04/26/24 09:23	04/26/24 17:44	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/26/24 09:23	04/26/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				04/26/24 09:23	04/26/24 17:44	1
o-Terphenyl	137	S1+	70 - 130				04/26/24 09:23	04/26/24 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.5		5.02		mg/Kg			04/29/24 11:44	1

Client Sample ID: H-2

Lab Sample ID: 890-6532-2

Date Collected: 04/23/24 12:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:45	04/26/24 23:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 23:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 23:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/24 09:45	04/26/24 23:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 23:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/24 09:45	04/26/24 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				04/26/24 09:45	04/26/24 23:02	1
1,4-Difluorobenzene (Surr)	78		70 - 130				04/26/24 09:45	04/26/24 23:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-2

Lab Sample ID: 890-6532-2

Date Collected: 04/23/24 12:00

Matrix: Solid

Date Received: 04/25/24 10:09

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			04/26/24 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	67.8		50.0		mg/Kg			04/26/24 18:05	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		04/26/24 09:23	04/26/24 18:05	1
Diesel Range Organics (Over C10-C28)	67.8	*1	50.0		mg/Kg		04/26/24 09:23	04/26/24 18:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:23	04/26/24 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				04/26/24 09:23	04/26/24 18:05	1
o-Terphenyl	129		70 - 130				04/26/24 09:23	04/26/24 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.1		5.01		mg/Kg			04/29/24 11:49	1

Client Sample ID: H-3

Lab Sample ID: 890-6532-3

Date Collected: 04/23/24 12:00

Matrix: Solid

Date Received: 04/25/24 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:45	04/26/24 23:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:45	04/26/24 23:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:45	04/26/24 23:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/24 09:45	04/26/24 23:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/24 09:45	04/26/24 23:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/24 09:45	04/26/24 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/26/24 09:45	04/26/24 23:22	1
1,4-Difluorobenzene (Surr)	80		70 - 130				04/26/24 09:45	04/26/24 23:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/26/24 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	116		50.0		mg/Kg			04/26/24 18:26	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		04/26/24 09:23	04/26/24 18:26	1
Diesel Range Organics (Over C10-C28)	116	*1	50.0		mg/Kg		04/26/24 09:23	04/26/24 18:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-3
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 09:23	04/26/24 18:26	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	129		70 - 130				04/26/24 09:23	04/26/24 18:26	1	
o-Terphenyl	137	S1+	70 - 130				04/26/24 09:23	04/26/24 18:26	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	265		4.95		mg/Kg			04/29/24 11:54	1	

Client Sample ID: H-4
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-4
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		04/26/24 09:45	04/26/24 23:42	1	
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:45	04/26/24 23:42	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:45	04/26/24 23:42	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/24 09:45	04/26/24 23:42	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/24 09:45	04/26/24 23:42	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/24 09:45	04/26/24 23:42	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	117		70 - 130				04/26/24 09:45	04/26/24 23:42	1	
1,4-Difluorobenzene (Surr)	92		70 - 130				04/26/24 09:45	04/26/24 23:42	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/26/24 23:42	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	84.5		49.8		mg/Kg			04/26/24 18:47	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		04/26/24 09:23	04/26/24 18:47	1	
Diesel Range Organics (Over C10-C28)	84.5	*1	49.8		mg/Kg		04/26/24 09:23	04/26/24 18:47	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/24 09:23	04/26/24 18:47	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	134	S1+	70 - 130				04/26/24 09:23	04/26/24 18:47	1	
o-Terphenyl	149	S1+	70 - 130				04/26/24 09:23	04/26/24 18:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	174		4.95		mg/Kg			04/29/24 11:59	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-5

Lab Sample ID: 890-6532-5

Date Collected: 04/23/24 12:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:45	04/27/24 00:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/27/24 00:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/27/24 00:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:45	04/27/24 00:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/27/24 00:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:45	04/27/24 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/26/24 09:45	04/27/24 00:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/26/24 09:45	04/27/24 00:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/27/24 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	86.9		49.9		mg/Kg			04/26/24 19:08	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		04/26/24 09:23	04/26/24 19:08	1
Diesel Range Organics (Over C10-C28)	86.9	*1	49.9		mg/Kg		04/26/24 09:23	04/26/24 19:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:23	04/26/24 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/24 09:23	04/26/24 19:08	1
o-Terphenyl	128		70 - 130	04/26/24 09:23	04/26/24 19:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		5.00		mg/Kg			04/29/24 12:04	1

Client Sample ID: H-6

Lab Sample ID: 890-6532-6

Date Collected: 04/23/24 12:00

Matrix: Solid

Date Received: 04/25/24 10:09

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		04/26/24 09:45	04/27/24 00:23	1
Toluene	0.00398		0.00199		mg/Kg		04/26/24 09:45	04/27/24 00:23	1
Ethylbenzene	0.00527		0.00199		mg/Kg		04/26/24 09:45	04/27/24 00:23	1
m-Xylene & p-Xylene	0.0159		0.00398		mg/Kg		04/26/24 09:45	04/27/24 00:23	1
o-Xylene	0.00687		0.00199		mg/Kg		04/26/24 09:45	04/27/24 00:23	1
Xylenes, Total	0.0228		0.00398		mg/Kg		04/26/24 09:45	04/27/24 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/26/24 09:45	04/27/24 00:23	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	04/26/24 09:45	04/27/24 00:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-6
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.0320		0.00398		mg/Kg			04/27/24 00:23	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	64.1		49.9		mg/Kg			04/26/24 19:29	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		04/26/24 09:23	04/26/24 19:29	1	
Diesel Range Organics (Over C10-C28)	64.1	*1	49.9		mg/Kg		04/26/24 09:23	04/26/24 19:29	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/24 09:23	04/26/24 19:29	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130				04/26/24 09:23	04/26/24 19:29	1	
o-Terphenyl	137	S1+	70 - 130				04/26/24 09:23	04/26/24 19:29	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	42.8		4.99		mg/Kg			04/29/24 12:08	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy 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)
890-6532-1	H-1	127	79
890-6532-1 MS	H-1	114	78
890-6532-1 MSD	H-1	112	98
890-6532-2	H-2	145 S1+	78
890-6532-3	H-3	119	80
890-6532-4	H-4	117	92
890-6532-5	H-5	116	93
890-6532-6	H-6	102	66 S1-
LCS 880-79389/1-A	Lab Control Sample	109	100
LCSD 880-79389/2-A	Lab Control Sample Dup	112	101
MB 880-79049/5-A	Method Blank	112	86
MB 880-79389/5-A	Method Blank	113	88
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-6531-A-21-B MS	Matrix Spike	136 S1+	138 S1+
890-6531-A-21-C MSD	Matrix Spike Duplicate	132 S1+	134 S1+
890-6532-1	H-1	130	137 S1+
890-6532-2	H-2	118	129
890-6532-3	H-3	129	137 S1+
890-6532-4	H-4	134 S1+	149 S1+
890-6532-5	H-5	106	128
890-6532-6	H-6	108	137 S1+
LCS 880-79386/2-A	Lab Control Sample	79	91
LCSD 880-79386/3-A	Lab Control Sample Dup	83	92
MB 880-79386/1-A	Method Blank	88	103
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-79049/5-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:45	04/26/24 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:45	04/26/24 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:45	04/26/24 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/23/24 10:45	04/26/24 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/23/24 10:45	04/26/24 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/23/24 10:45	04/26/24 11:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/23/24 10:45	04/26/24 11:24	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/23/24 10:45	04/26/24 11:24	1

Lab Sample ID: MB 880-79389/5-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/24 09:45	04/26/24 22:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				04/26/24 09:45	04/26/24 22:20	1
1,4-Difluorobenzene (Surr)	88		70 - 130				04/26/24 09:45	04/26/24 22:20	1

Lab Sample ID: LCS 880-79389/1-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1151		mg/Kg		115	70 - 130
Toluene	0.100	0.1090		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1071		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2178		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	109		70 - 130				
1,4-Difluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 880-79389/2-A
Matrix: Solid
Analysis Batch: 79381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79389

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1129		mg/Kg		113	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

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

Lab Sample ID: LCSD 880-79389/2-A

Matrix: Solid

Analysis Batch: 79381

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79389

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD	
	Added	Result	Qualifier	Limit				Limits	RPD	Limit	Limit
Toluene	0.100	0.1061			mg/Kg		106	70 - 130	3	35	
Ethylbenzene	0.100	0.1044			mg/Kg		104	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.2126			mg/Kg		106	70 - 130	2	35	
o-Xylene	0.100	0.1066			mg/Kg		107	70 - 130	2	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-6532-1 MS

Matrix: Solid

Analysis Batch: 79381

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 79389

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit
Benzene	<0.00199	U	0.100	0.1005		mg/Kg		100	70 - 130	
Toluene	<0.00199	U	0.100	0.1001		mg/Kg		99	70 - 130	
Ethylbenzene	<0.00199	U	0.100	0.1092		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.00401		0.200	0.2217		mg/Kg		109	70 - 130	
o-Xylene	<0.00199	U	0.100	0.1143		mg/Kg		113	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 890-6532-1 MSD

Matrix: Solid

Analysis Batch: 79381

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 79389

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	Limit
Benzene	<0.00199	U	0.100	0.09236		mg/Kg		91	70 - 130	8	35	
Toluene	<0.00199	U	0.100	0.07898		mg/Kg		78	70 - 130	24	35	
Ethylbenzene	<0.00199	U	0.100	0.08181		mg/Kg		80	70 - 130	29	35	
m-Xylene & p-Xylene	0.00401		0.200	0.1641		mg/Kg		80	70 - 130	30	35	
o-Xylene	<0.00199	U	0.100	0.08931		mg/Kg		88	70 - 130	25	35	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-79386/1-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79386

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/24 08:23	04/26/24 08:40	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

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

Lab Sample ID: MB 880-79386/1-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79386

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/24 08:23	04/26/24 08:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/24 08:23	04/26/24 08:40	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	88		70 - 130				04/26/24 08:23	04/26/24 08:40	1
o-Terphenyl	103		70 - 130				04/26/24 08:23	04/26/24 08:40	1

Lab Sample ID: LCS 880-79386/2-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	829.8		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	827.0		mg/Kg		83	70 - 130		
Surrogate		LCS	LCS				Limits		
		%Recovery	Qualifier						
1-Chlorooctane		79					70 - 130		
o-Terphenyl		91					70 - 130		

Lab Sample ID: LCSD 880-79386/3-A

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79386

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1035	*1	mg/Kg		104	70 - 130	22	20
Surrogate		LCSD	LCSD				Limits		
		%Recovery	Qualifier						
1-Chlorooctane		83					70 - 130		
o-Terphenyl		92					70 - 130		

Lab Sample ID: 890-6531-A-21-B MS

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 79386

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	1214		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	916.9		mg/Kg		87	70 - 130		
Surrogate		MS	MS						Limits		
		%Recovery	Qualifier								
1-Chlorooctane		136	S1+						70 - 130		
o-Terphenyl		138	S1+						70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

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

Lab Sample ID: 890-6531-A-21-C MSD

Matrix: Solid

Analysis Batch: 79370

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 79386

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	<50.5	U	1010	1028		mg/Kg		102	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	888.6		mg/Kg		84	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	132	S1+	70 - 130								
o-Terphenyl	134	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-79457/1-A

Matrix: Solid

Analysis Batch: 79490

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			04/29/24 09:44	1

Lab Sample ID: LCS 880-79457/2-A

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.5		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-79457/3-A

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	231.1		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-42776-A-4-B MS

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15700		12500	27780		mg/Kg		97	90 - 110

Lab Sample ID: 880-42776-A-4-C MSD

Matrix: Solid

Analysis Batch: 79490

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15700		12500	27710		mg/Kg		96	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

GC VOA

Prep Batch: 79049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-79049/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 79381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Total/NA	Solid	8021B	79389
890-6532-2	H-2	Total/NA	Solid	8021B	79389
890-6532-3	H-3	Total/NA	Solid	8021B	79389
890-6532-4	H-4	Total/NA	Solid	8021B	79389
890-6532-5	H-5	Total/NA	Solid	8021B	79389
890-6532-6	H-6	Total/NA	Solid	8021B	79389
MB 880-79049/5-A	Method Blank	Total/NA	Solid	8021B	79049
MB 880-79389/5-A	Method Blank	Total/NA	Solid	8021B	79389
LCS 880-79389/1-A	Lab Control Sample	Total/NA	Solid	8021B	79389
LCSD 880-79389/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	79389
890-6532-1 MS	H-1	Total/NA	Solid	8021B	79389
890-6532-1 MSD	H-1	Total/NA	Solid	8021B	79389

Prep Batch: 79389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Total/NA	Solid	5035	
890-6532-2	H-2	Total/NA	Solid	5035	
890-6532-3	H-3	Total/NA	Solid	5035	
890-6532-4	H-4	Total/NA	Solid	5035	
890-6532-5	H-5	Total/NA	Solid	5035	
890-6532-6	H-6	Total/NA	Solid	5035	
MB 880-79389/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-79389/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-79389/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6532-1 MS	H-1	Total/NA	Solid	5035	
890-6532-1 MSD	H-1	Total/NA	Solid	5035	

Analysis Batch: 79550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Total/NA	Solid	Total BTEX	
890-6532-2	H-2	Total/NA	Solid	Total BTEX	
890-6532-3	H-3	Total/NA	Solid	Total BTEX	
890-6532-4	H-4	Total/NA	Solid	Total BTEX	
890-6532-5	H-5	Total/NA	Solid	Total BTEX	
890-6532-6	H-6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 79370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Total/NA	Solid	8015B NM	79386
890-6532-2	H-2	Total/NA	Solid	8015B NM	79386
890-6532-3	H-3	Total/NA	Solid	8015B NM	79386
890-6532-4	H-4	Total/NA	Solid	8015B NM	79386
890-6532-5	H-5	Total/NA	Solid	8015B NM	79386
890-6532-6	H-6	Total/NA	Solid	8015B NM	79386
MB 880-79386/1-A	Method Blank	Total/NA	Solid	8015B NM	79386

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

GC Semi VOA (Continued)

Analysis Batch: 79370 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-79386/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	79386
LCSD 880-79386/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	79386
890-6531-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	79386
890-6531-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	79386

Prep Batch: 79386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Total/NA	Solid	8015NM Prep	
890-6532-2	H-2	Total/NA	Solid	8015NM Prep	
890-6532-3	H-3	Total/NA	Solid	8015NM Prep	
890-6532-4	H-4	Total/NA	Solid	8015NM Prep	
890-6532-5	H-5	Total/NA	Solid	8015NM Prep	
890-6532-6	H-6	Total/NA	Solid	8015NM Prep	
MB 880-79386/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-79386/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-79386/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6531-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6531-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 79573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Total/NA	Solid	8015 NM	
890-6532-2	H-2	Total/NA	Solid	8015 NM	
890-6532-3	H-3	Total/NA	Solid	8015 NM	
890-6532-4	H-4	Total/NA	Solid	8015 NM	
890-6532-5	H-5	Total/NA	Solid	8015 NM	
890-6532-6	H-6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 79457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Soluble	Solid	DI Leach	
890-6532-2	H-2	Soluble	Solid	DI Leach	
890-6532-3	H-3	Soluble	Solid	DI Leach	
890-6532-4	H-4	Soluble	Solid	DI Leach	
890-6532-5	H-5	Soluble	Solid	DI Leach	
890-6532-6	H-6	Soluble	Solid	DI Leach	
MB 880-79457/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-79457/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-79457/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42776-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42776-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 79490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-1	H-1	Soluble	Solid	300.0	79457
890-6532-2	H-2	Soluble	Solid	300.0	79457
890-6532-3	H-3	Soluble	Solid	300.0	79457
890-6532-4	H-4	Soluble	Solid	300.0	79457
890-6532-5	H-5	Soluble	Solid	300.0	79457

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QC Association Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

HPLC/IC (Continued)

Analysis Batch: 79490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6532-6	H-6	Soluble	Solid	300.0	79457
MB 880-79457/1-A	Method Blank	Soluble	Solid	300.0	79457
LCS 880-79457/2-A	Lab Control Sample	Soluble	Solid	300.0	79457
LCSD 880-79457/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	79457
880-42776-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	79457
880-42776-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	79457

Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-1
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	79389	04/26/24 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/26/24 22:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79550	04/26/24 22:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			79573	04/26/24 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 17:44	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 11:44	SMC	EET MID

Client Sample ID: H-2
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	79389	04/26/24 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/26/24 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79550	04/26/24 23:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			79573	04/26/24 18:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 18:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 11:49	SMC	EET MID

Client Sample ID: H-3
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	79389	04/26/24 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/26/24 23:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79550	04/26/24 23:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			79573	04/26/24 18:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 18:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 11:54	SMC	EET MID

Client Sample ID: H-4
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	79389	04/26/24 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/26/24 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79550	04/26/24 23:42	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Client Sample ID: H-4
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-4
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			79573	04/26/24 18:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 18:47	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 11:59	SMC	EET MID

Client Sample ID: H-5
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-5
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			5.00 g	5 mL	79389	04/26/24 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 00:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79550	04/27/24 00:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			79573	04/26/24 19:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 19:08	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 12:04	SMC	EET MID

Client Sample ID: H-6
Date Collected: 04/23/24 12:00
Date Received: 04/25/24 10:09

Lab Sample ID: 890-6532-6
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	79389	04/26/24 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79381	04/27/24 00:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			79550	04/27/24 00:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			79573	04/26/24 19:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	79386	04/26/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	79370	04/26/24 19:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	79457	04/26/24 16:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	79490	04/29/24 12:08	SMC	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: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy 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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy 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	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Moutray SWD

Job ID: 890-6532-1
SDG: Eddy CO NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6532-1	H-1	Solid	04/23/24 12:00	04/25/24 10:09
890-6532-2	H-2	Solid	04/23/24 12:00	04/25/24 10:09
890-6532-3	H-3	Solid	04/23/24 12:00	04/25/24 10:09
890-6532-4	H-4	Solid	04/23/24 12:00	04/25/24 10:09
890-6532-5	H-5	Solid	04/23/24 12:00	04/25/24 10:09
890-6532-6	H-6	Solid	04/23/24 12:00	04/25/24 10:09

- 1
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- 12
- 13
- 14

Chain of Custody

Work Order No: _____

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGI Water Solutions Permian
Address:	310 W Wall St Ste 500	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@ngiwp.com

Work Order Comments			
Program: UST/PST	PRF	Brownfield	RR
State of Project:			Superfund
Reporting Level I		Level II	PST/US
Deliverables: EDD		ADAPT	Other:
			Level N

Project Name:	Moutray SWD	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes									
Project Number:	2333	☒ Routine ☐ Rush														None: NO DI Water: H ₂ O									
Project Location:	Eddy Co. NM	Due Date:														Cool: Cool MeOH: Me									
Sampler's Name:	MM															HCL: HC HNO ₃ : HN									
PO #:																H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT	Temp Blank: Yes No	Thermometer ID: Yes No	Wet Ice: Yes No	Parameters												H ₃ PO ₄ : HP									
Received Intact:	Yes	N/A		BTX 8021B												NaHSO ₄ : NABIS									
Cooler Custody Seals:	Yes	No		TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:	Yes	No		Chloride 300.0												Zn Acetate: NaOH: Zn									
Total Containers:		Temperature Reading: Corrected Temperature:														NaOH+Ascorbic Acid: SPC									
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont													Sample Comments						
H-1 (0-0.5')	4/23/2024		X		G	1	X	X	X																
H-2 (0-0.5')	4/23/2024		X		G	1	X	X	X																
H-3 (0-0.5')	4/23/2024		X		G	1	X	X	X																
H-4 (0-0.5')	4/23/2024		X		G	1	X	X	X																
H-5 (0-0.5')	4/23/2024		X		G	1	X	X	X																
H-6 (0-0.5')	4/23/2024		X		G	1	X	X	X																

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	4/23/24	<i>Joseph Vargo</i>	4/25 10 99

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6532-1

SDG Number: Eddy CO NM

Login Number: 6532

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 890-6532-1

SDG Number: Eddy CO NM

Login Number: 6532

List Source: Eurofins Midland

List Number: 2

List Creation: 04/26/24 08:19 AM

Creator: Rodriguez, Leticia

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

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QUESTIONS

Action 343476

QUESTIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 343476
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410047011
Incident Name	NAPP2410047011 MOUTRAY SWD @ 30-015-43895
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-43895] MOUTRAY SWD #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Moutray SWD
Date Release Discovered	04/09/2024
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 150 BBL Recovered: 130 BBL Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 343476

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	343476
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 05/13/2024
--	--

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QUESTIONS, Page 3

Action 343476

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 343476
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	18300
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	989
GRO+DRO	(EPA SW-846 Method 8015M)	915
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	04/23/2024
On what date will (or did) the final sampling or liner inspection occur	04/23/2024
On what date will (or was) the remediation complete(d)	04/23/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 343476

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	343476
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	NA

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 05/13/2024
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 343476

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 343476
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 343476

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	343476
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	343494
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/23/2024
What was the (estimated) number of samples that were to be gathered	0
What was the sampling surface area in square feet	0

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	NA

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

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

I hereby agree and sign off to the above statement	Name: Joseph Vargo Title: Regulatory manager Email: joseph.vargo@nglep.com Date: 05/13/2024
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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

QUESTIONS, Page 7

Action 343476

QUESTIONS (continued)

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:	372338
	Action Number:	343476
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 343476

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID:
	372338
	Action Number:
	343476
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	6/4/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/4/2024