CARMONA RESOURCES

SITE INFORMATION

Closure Report
Sidewinder SWD
Incident # NAPP2200166298
Lea County, New Mexico
Unit O Sec 15 T25S R34E
32.1341147°, -103.452141°

Produced Water Release
Point of Release: 6-inch Suction Header on a Polyline developed hole
Release Date: 01/01/2022
Volume Released: 300 barrels of Produced Water
Volume Recovered: 299 barrels of Produced Water

CARMONA RESOURCES

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

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

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

March 27, 2022

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

Re: Closure Report
Sidewinder SWD
NGL Water Solutions Permian, LLC
Site Location: Unit O, S15, T25S, R34E
(Lat 32.1341147º, Long -103.452141°)
Lea County, New Mexico

To whom it may concern:

On behalf of NGL Energy Partners (NGL), Carmona Resources, LLC has prepared this letter to document site activities for Sidewinder SWD. The site is located at 32.1341147º, -103.452137º within Unit O, S15, T25S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on January 1, 2022, due to a 6-inch header developing a hole. It resulted in approximately three hundred (300) barrels of produced water, and two hundred and ninety-nine (299) barrels of produced water were recovered. The impacted area is located on the pad and measures approximately 100' x 200' x 20', as shown on Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location and drilled within 25 years. The nearest identified well is located approximately 0.16 miles Southeast of the site in S15, T25S, R34E and was drilled in 2016. The well has a reported depth to groundwater of 174 feet below ground surface (ft bgs). A freshwater well used for stock watering purposes is around 590' from the site and greater than 500'. A copy of the associated *Point of Diversion Summary* report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

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

CARMONA RESOURCES

- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg

4.0 Site Assessment Activities

On February 1, 2022, Carmona Resources was on-site to define the release horizontally and vertically. A total of five sample points (S-1 through S-5) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 2-2.5 ft below the surface. 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 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 containing analytical methods, results, and chain-of-custody documents are attached in Appendix E. See Figure 3 for the sample locations.

The analytical results are provided in Table 1.

Further Assessment

On March 22, 2022, Carmona Resources was onsite to define the release for the area of S-3 vertically. To collect deeper samples, a rock bar was used to break through the dense layer at 1.5' below the surface. Samples were collected at 2', 3', and 4' below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All samples were below the regulatory limits and summarized in 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 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

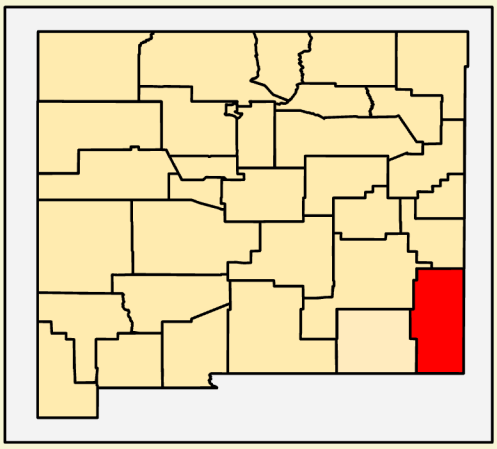
Mike Carmona
Environmental Manager

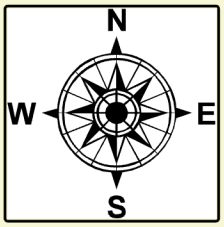
Conner Moehring
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES





128

W NM Highway 128

128

Ochoa

Sidewinder SWD

W NM Highway 128

0 2 4 8
Miles

Legend

Site Location

OVERVIEW MAP
NGL ENERGY PARTNERS
SIDEWINDER SWD
LEA COUNTY, NEW MEXICO
32.1341147, -103.452141

SCALE: As Shown

Date: 2/24/2022

CARMONA RESOURCES

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

NOTES:

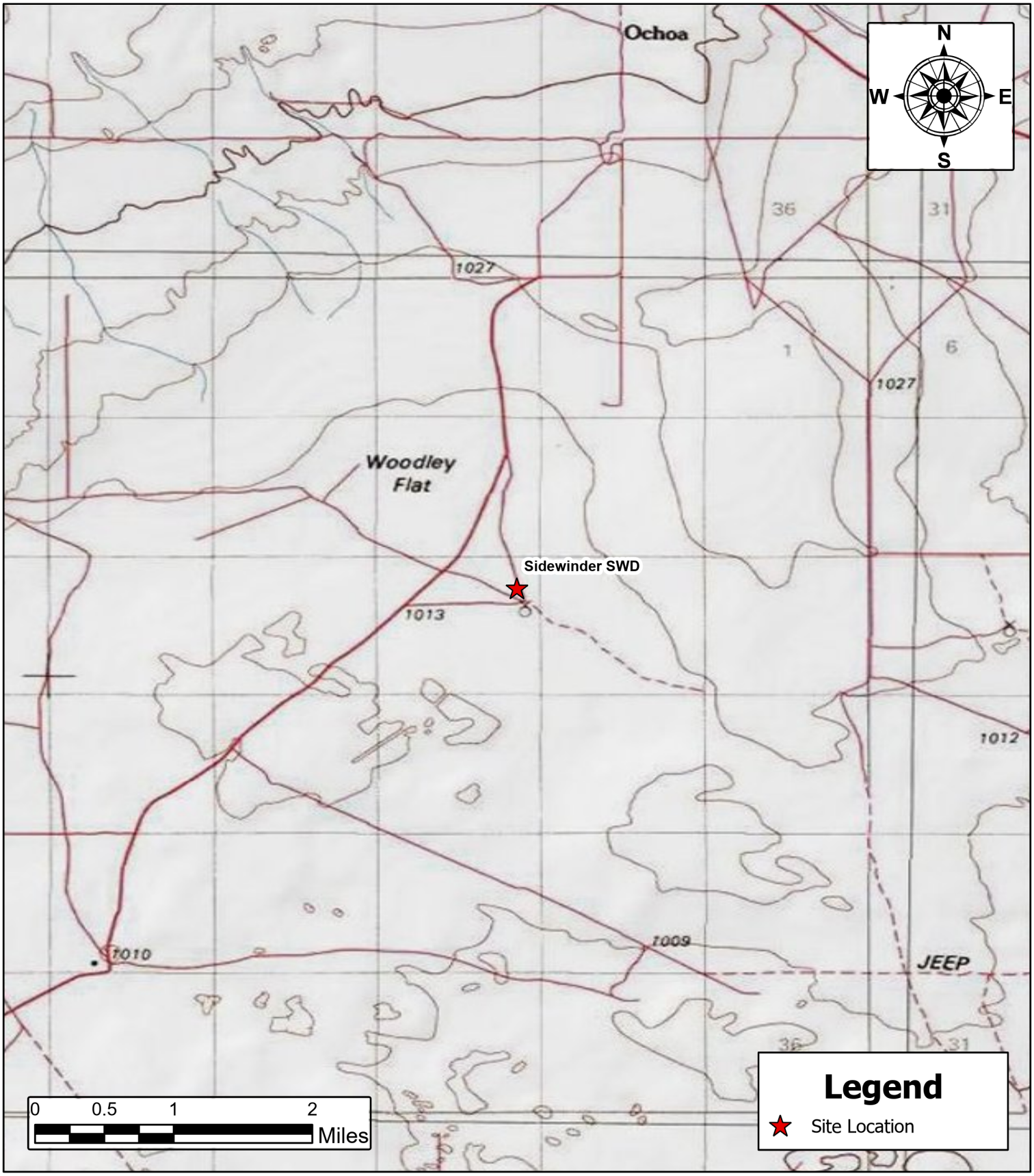
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
NGL ENERGY PARTNERS
SIDEWINDER SWD
LEA COUNTY, NEW MEXICO
32.1341147, -103.452141

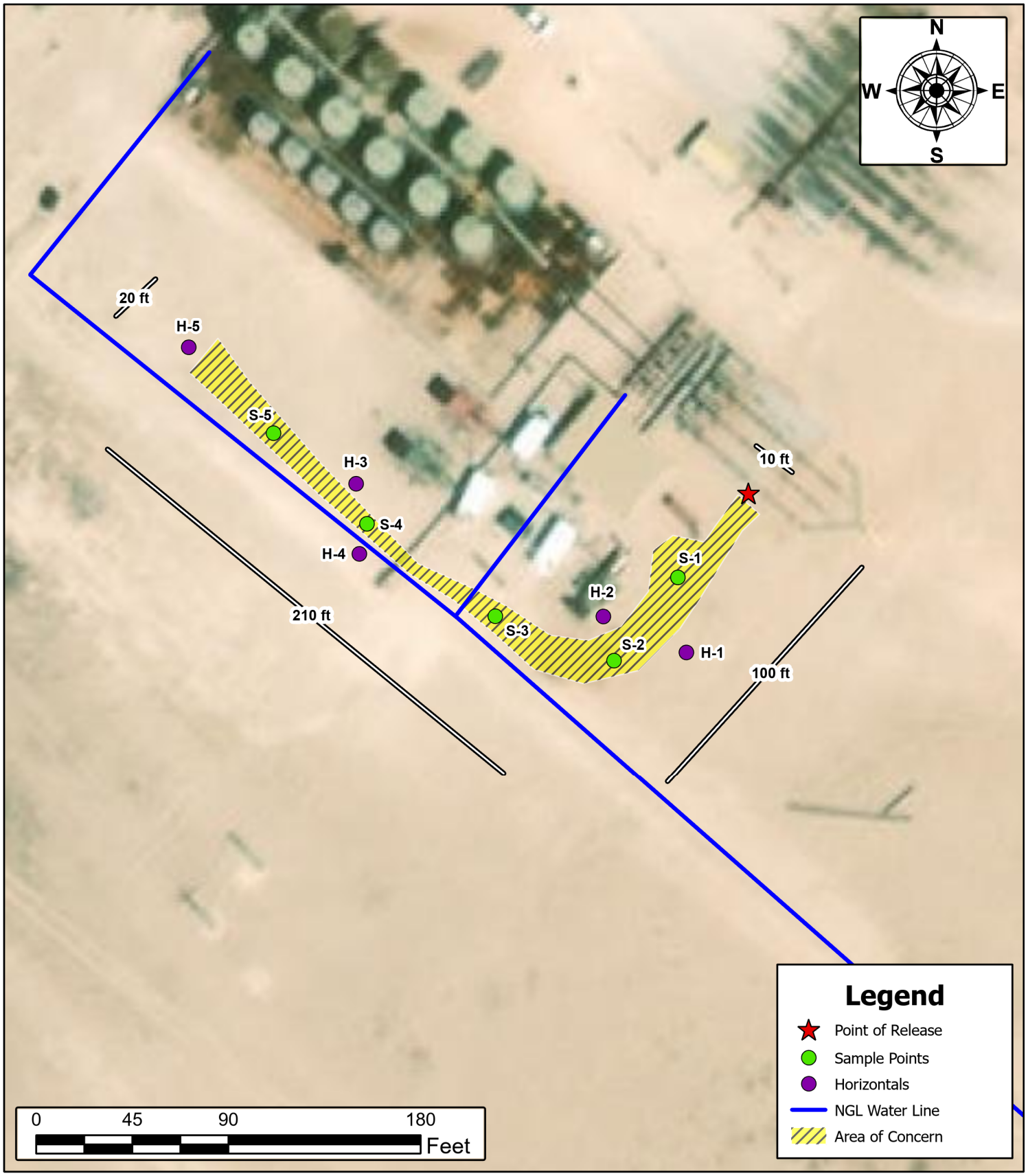
SCALE: As Shown | Date: 2/24/2022

CARMONA RESOURCES

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

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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP
NGL ENERGY PARTNERS
SIDEWINDER SWD
LEA COUNTY, NEW MEXICO
32.1341147, -103.452141

SCALE: As Shown | Date: 2/24/2022

CARMONA RESOURCES

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

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES

Table 1
NGL Water Solutions Permian
Sidewinder SWD
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	2/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,370
	"	1-1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	277
	"	2-2.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.8
	"	3-3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	147
S-2	2/1/2022	0-1	<50.0	271	<50.0	271	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	175
	"	1-1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	74.1
	"	2-2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	6.50
S-3	2/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	743
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	792
	3/22/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	283
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	16.2
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.9
S-4	2/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	587
	"	1-1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.4
S-5	2/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.4
	"	1-1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.1
H-1	2/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.6
H-2	2/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.7
H-3	2/1/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	53.1
H-4	2/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	61.0
H-5	2/1/2022	0-1	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	47.5
Regulatory Criteria [A]			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
S - Sample Point
H - Horizontal

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Sidewinder SWD

County: Lea County, New Mexico

Description:
View North of S-1

Photograph No. 2

Facility: Sidewinder SWD

County: Lea County, New Mexico

Description:
View West of S-2

Photograph No. 3

Facility: Sidewinder SWD

County: Lea County, New Mexico

Description:
View West of S-3

PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 4

Facility: Sidewinder SWD

County: Lea County, New Mexico

Description:
View West of S-4

Photograph No. 5

Facility: Sidewinder SWD

County: Lea County, New Mexico

Description:
View Southeast of S-5

Photograph No. 6

Facility: Sidewinder SWD

County: Lea County, New Mexico

Description:
View Northeast of S-3

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2200166298
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party NGL Water Solutions Permian, LLC	OGRID 372338
Contact Name Joseph Vargo	Contact Telephone 303-815-1010
Contact email joseph.vargo@nglep.com	Incident # *(assigned by OCD)* nAPP2200166298
Contact mailing address 865 North Albion Street, Suite 400, Denver, CO 80220	

Location of Release Source

Latitude 32.1329416 Longitude -103.4493559
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Sidewinder SWD	Site Type Salt Water Disposal
Date Release Discovered 1.1.22	API# *(if applicable)* 30-025-45427

Unit Letter	Section	Township	Range	County
O	15	25S	34E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 300	Volume Recovered (bbls) 299
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The 6 inch suction header poly line developed a hole that resulted in 300 bbls of produced water to be released. 200 bbls were released inside containment and all recovered. 100 bbls were released outside containment and 99 bbls were recovered with the utilization of vacuum trucks. The entire release did not leave the facility pad. A NOR was filed within 6 hours and repairs have been made to the poly line.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2200166298
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbls

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

A Notice of Release was filed immediately with the State OCD, providing description and location of release.

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Joseph Vargo Title: Regulatory Director

Signature: [signature] Date: 1.3.22

email: joseph.vargo@nglep.com Telephone: 303-815-1010

OCD Only

Received by: Ramona Marcus Date: 1/3/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 69966

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 69966
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	The submitted C-141 is accepted with the following condition(s): The lateral and longitudinal information does not match the ULSTR regarding the release location. Please correct the conflicting information and report back to OCD. The latitude and longitude information on the C-141 resulted in the following ULSTR: H-15-25S-34E. Finally, when submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/3/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: Jennifer Nobui Date: 04/22/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Sidewinder SWD

Legend

- 0.14 Miles
- 0.16 Miles
- 0.16 Miles
- 0.50 Mile Radius
- Sidewinder SWD

Reynolds Blvd

Reynolds Blvd

2

Sidewinder SWD

135' - Drilled 1917

135' - Drilled 1917

174' - Drilled 2013

N

2000 ft

LOW KARST

NGL - Sidewinder SWD

Legend

LOW

Sidewinder SWD

Sidewinder SWD

4 mi

N

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02299	CUB	LE	4	2	4	24	25S	34E	649517	3554125	350	300	50
C 02314	CUB	LE	2	4	2	15	25S	34E	646116	3556179	175	135	40
C 02315	CUB	LE	2	4	2	15	25S	34E	646095	3556194	175	135	40
C 02316	CUB	LE	3	4	3	29	25S	34E	642003	3551967*	100	50	50
C 02317	CUB	LE	3	4	3	29	25S	34E	642003	3551967*	100	50	50
C 02401	CUB	LE	2	2	1	01	25S	34E	648534	3559896*	275	260	15

Average Depth to Water: **155 feet**

Minimum Depth: **50 feet**

Maximum Depth: **300 feet**

Record Count: 6

PLSS Search:

Township: 25S **Range:** 34E

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

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02314	2	4	2	15	25S	34E	646116	3556179

Driller License:		**Driller Company:**			
Driller Name:	UNKNOWN				
Drill Start Date:	01/01/1918	**Drill Finish Date:**	12/31/1917	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	8.63	**Depth Well:**	175 feet	**Depth Water:**	135 feet

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 02315	2	4	2	15	25S	34E	646095	3556194

Driller License: **Driller Company:**

Driller Name: UNKNOWN

Drill Start Date: 01/01/1918 **Drill Finish Date:** 12/31/1917 **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 40 GPM

Casing Size: 8.63 **Depth Well:** 175 feet **Depth Water:** 135 feet

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320738103270501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320738103270501 25S.34E.15.24234

Lea County, New Mexico
Latitude 32°07'57.1", Longitude 103°27'02.4" NAD83
Land-surface elevation 3,345.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1954-07-23		D	62610		3180.06	NGVD29	3	Z		
1954-07-23		D	62611		3181.62	NAVD88	3	Z		
1954-07-23		D	72019	164.94			3	Z		
1970-12-08		D	62610		3181.78	NGVD29	3	Z		
1970-12-08		D	62611		3183.34	NAVD88	3	Z		
1970-12-08		D	72019	163.22			3	Z		
1976-01-15		D	62610		3179.20	NGVD29	1	Z		
1976-01-15		D	62611		3180.76	NAVD88	1	Z		
1976-01-15		D	72019	165.80			1	Z		
1981-03-25		D	62610		3182.20	NGVD29	1	Z		
1981-03-25		D	62611		3183.76	NAVD88	1	Z		
1981-03-25		D	72019	162.80			1	Z		
1986-03-12		D	62610		3184.76	NGVD29	1	Z		
1986-03-12		D	62611		3186.32	NAVD88	1	Z		
1986-03-12		D	72019	160.24			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1991-06-05		D	62610		3179.90	NGVD29	1	Z		
1991-06-05		D	62611		3181.46	NAVD88	1	Z		
1991-06-05		D	72019	165.10			1	Z		
2013-01-16	21:30 UTC	m	62610		3170.94	NGVD29	3	S	USGS	
2013-01-16	21:30 UTC	m	62611		3172.50	NAVD88	3	S	USGS	
2013-01-16	21:30 UTC	m	72019	174.06			3	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-01-24 16:10:13 EST
0.33 0.29 nadww01

New Mexico NFHL Data

January 24, 2022

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-10890-1
Laboratory Sample Delivery Group: Lea CO NM
Client Project/Site: Sidewinder SWD

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

Attn: Conner Moehring

JKramer

Authorized for release by:
2/7/2022 4:07:52 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Carmona Resources
Project/Site: Sidewinder SWD

Laboratory Job ID: 880-10890-1
SDG: Lea CO NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Job ID: 880-10890-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-10890-1

Receipt
The samples were received on 2/2/2022 10:31 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 2.3°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18357 and analytical batch 880-18332 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-10890-1), S-2 (1-1.5') (880-10890-6), (880-10888-A-1-B MS) and (880-10888-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18361 and analytical batch 880-18462 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-10889-A-1-A), (880-10889-A-1-B MS) and (880-10889-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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-1
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 06:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 06:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 06:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/22 11:37	02/03/22 06:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 06:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/22 11:37	02/03/22 06:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/02/22 11:37*	*02/03/22 06:25*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/02/22 11:37*	*02/03/22 06:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 15:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/02/22 11:22*	*02/04/22 15:19*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/02/22 11:22*	*02/04/22 15:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1370**		4.98		mg/Kg			02/04/22 21:02	1

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

Lab Sample ID: 880-10890-2
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 06:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 06:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 06:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 06:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 06:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/02/22 11:37*	*02/03/22 06:45*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/02/22 11:37*	*02/03/22 06:45*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-2
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 15:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 15:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/02/22 11:22*	*02/04/22 15:40*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/02/22 11:22*	*02/04/22 15:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		5.05		mg/Kg			02/04/22 21:09	1

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

Lab Sample ID: 880-10890-3
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 07:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 07:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 07:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/22 11:37	02/03/22 07:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 07:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/22 11:37	02/03/22 07:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/02/22 11:37*	*02/03/22 07:06*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/02/22 11:37*	*02/03/22 07:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 16:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-3
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/02/22 11:22*	*02/04/22 16:01*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/02/22 11:22*	*02/04/22 16:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.8**		5.01		mg/Kg			02/04/22 21:17	1

Client Sample ID: S-1 (3-3.5')

Lab Sample ID: 880-10890-4
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 07:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/02/22 11:37*	*02/03/22 07:26*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/02/22 11:37*	*02/03/22 07:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 16:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 16:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*02/02/22 11:22*	*02/04/22 16:22*	*1*
o-Terphenyl	*77*		*70 - 130*	*02/02/22 11:22*	*02/04/22 16:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		4.97		mg/Kg			02/04/22 21:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-5
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 07:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 07:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/02/22 11:37*	*02/03/22 07:47*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/02/22 11:37*	*02/03/22 07:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**271**		50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 17:05	1
Diesel Range Organics (Over C10-C28)	**271**		50.0		mg/Kg		02/02/22 11:22	02/04/22 17:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/02/22 11:22*	*02/04/22 17:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/02/22 11:22*	*02/04/22 17:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**		4.99		mg/Kg			02/04/22 21:32	1

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

Lab Sample ID: 880-10890-6
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 08:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 08:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 08:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/22 11:37	02/03/22 08:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:37	02/03/22 08:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/22 11:37	02/03/22 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*02/02/22 11:37*	*02/03/22 08:07*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/02/22 11:37*	*02/03/22 08:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-6
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 17:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 17:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/02/22 11:22*	*02/04/22 17:26*	*1*
o-Terphenyl	*73*		*70 - 130*	*02/02/22 11:22*	*02/04/22 17:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.1**		4.99		mg/Kg			02/04/22 22:32	1

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

Lab Sample ID: 880-10890-7
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/22 11:37	02/03/22 08:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/22 11:37	02/03/22 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/02/22 11:37*	*02/03/22 08:28*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/02/22 11:37*	*02/03/22 08:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 17:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-7
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*02/02/22 11:22*	*02/04/22 17:47*	*1*
o-Terphenyl	*95*		*70 - 130*	*02/02/22 11:22*	*02/04/22 17:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.50**		4.95		mg/Kg			02/04/22 22:55	1

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

Lab Sample ID: 880-10890-8
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/22 11:37	02/03/22 08:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 08:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/02/22 11:37	02/03/22 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/02/22 11:37*	*02/03/22 08:48*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*02/02/22 11:37*	*02/03/22 08:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 18:08	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/02/22 11:22*	*02/04/22 18:08*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/02/22 11:22*	*02/04/22 18:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**743**		5.01		mg/Kg			02/04/22 23:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-9
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 09:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 09:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 09:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/22 11:37	02/03/22 09:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/22 11:37	02/03/22 09:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/22 11:37	02/03/22 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*02/02/22 11:37*	*02/03/22 09:09*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/02/22 11:37*	*02/03/22 09:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 18:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/02/22 11:22*	*02/04/22 18:28*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/02/22 11:22*	*02/04/22 18:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**792**		4.97		mg/Kg			02/04/22 23:10	1

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

Lab Sample ID: 880-10890-10
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 09:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 09:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 09:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 09:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 09:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/22 11:37	02/03/22 09:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/02/22 11:37*	*02/03/22 09:29*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/02/22 11:37*	*02/03/22 09:29*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-10
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 18:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 18:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/02/22 11:22*	*02/04/22 18:48*	*1*
o-Terphenyl	*71*		*70 - 130*	*02/02/22 11:22*	*02/04/22 18:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**587**		5.05		mg/Kg			02/04/22 23:18	1

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

Lab Sample ID: 880-10890-11
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/04/22 05:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/04/22 05:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/04/22 05:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:00	02/04/22 05:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/04/22 05:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:00	02/04/22 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/03/22 09:00*	*02/04/22 05:03*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/03/22 09:00*	*02/04/22 05:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 19:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 19:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-11
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/02/22 11:22*	*02/04/22 19:09*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/02/22 11:22*	*02/04/22 19:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.4**		4.98		mg/Kg			02/04/22 23:40	1

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

Lab Sample ID: 880-10890-12
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/22 09:00	02/04/22 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/22 09:00	02/04/22 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/03/22 09:00*	*02/04/22 05:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/03/22 09:00*	*02/04/22 05:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 19:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 19:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/02/22 11:22*	*02/04/22 19:30*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/02/22 11:22*	*02/04/22 19:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.4**		4.98		mg/Kg			02/04/22 23:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Lab Sample ID: 880-10890-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/22 09:00	02/04/22 05:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/04/22 05:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/22 09:00	02/04/22 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/03/22 09:00*	*02/04/22 05:44*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/03/22 09:00*	*02/04/22 05:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 19:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/02/22 11:22*	*02/04/22 19:50*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/02/22 11:22*	*02/04/22 19:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		4.99		mg/Kg			02/04/22 23:56	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-10875-A-48-D MS	Matrix Spike	118	99										
880-10875-A-48-E MSD	Matrix Spike Duplicate	128	96										
880-10888-A-1-B MS	Matrix Spike	190 S1+	69 S1-										
880-10888-A-1-C MSD	Matrix Spike Duplicate	463 S1+	168 S1+										
880-10890-1	S-1 (0-1')	131 S1+	114										
880-10890-2	S-1 (1-1.5')	125	103										
880-10890-3	S-1 (2-2.5')	119	94										
880-10890-4	S-1 (3-3.5')	130	92										
880-10890-5	S-2 (0-1')	85	103										
880-10890-6	S-2 (1-1.5')	143 S1+	108										
880-10890-7	S-2 (2-2.5')	77	77										
880-10890-8	S-3 (0-1')	79	71										
880-10890-9	S-3 (1-1.5')	80	90										
880-10890-10	S-4 (0-1')	113	93										
880-10890-11	S-4 (1-1.5')	117	99										
880-10890-12	S-5 (0-1')	131 S1+	107										
880-10890-13	S-5 (1-1.5')	101	94										
LCS 880-18357/1-A	Lab Control Sample	117	105										
LCS 880-18361/1-A	Lab Control Sample	115	104										
LCSD 880-18357/2-A	Lab Control Sample Dup	105	96										
LCSD 880-18361/2-A	Lab Control Sample Dup	119	102										
MB 880-18304/5-A	Method Blank	127	101										
MB 880-18357/5-A	Method Blank	121	101										
MB 880-18361/5-A	Method Blank	109	105										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-10889-A-1-B MS	Matrix Spike	75	65 S1-										
880-10889-A-1-C MSD	Matrix Spike Duplicate	60 S1-	52 S1-										
880-10890-1	S-1 (0-1')	85	86										
880-10890-2	S-1 (1-1.5')	82	80										
880-10890-3	S-1 (2-2.5')	84	85										
880-10890-4	S-1 (3-3.5')	75	77										
880-10890-5	S-2 (0-1')	81	80										
880-10890-6	S-2 (1-1.5')	71	73										
880-10890-7	S-2 (2-2.5')	94	95										
880-10890-8	S-3 (0-1')	86	82										
880-10890-9	S-3 (1-1.5')	82	82										
880-10890-10	S-4 (0-1')	72	71										
880-10890-11	S-4 (1-1.5')	83	84										
880-10890-12	S-5 (0-1')	84	84										
880-10890-13	S-5 (1-1.5')	87	88										

Surrogate Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO2	OTPH2										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
LCS 880-18353/2-A	Lab Control Sample	82	89										
LCSD 880-18353/3-A	Lab Control Sample Dup	89	90										
MB 880-18353/1-A	Method Blank	83	89										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18304/5-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18304

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/01/22 15:55	02/02/22 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/01/22 15:55*	*02/02/22 11:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/01/22 15:55*	*02/02/22 11:47*	*1*

Lab Sample ID: MB 880-18357/5-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 01:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 01:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 01:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/22 11:37	02/03/22 01:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:37	02/03/22 01:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/22 11:37	02/03/22 01:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/02/22 11:37*	*02/03/22 01:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/02/22 11:37*	*02/03/22 01:02*	*1*

Lab Sample ID: LCS 880-18357/1-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07153		mg/Kg		72	70 - 130
Toluene	0.100	0.08102		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08731		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1697		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08585		mg/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-18357/2-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18357

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07533		mg/Kg		75	70 - 130	5	35

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: LCSD 880-18357/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18332 — **Prep Batch: 18357**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.07762		mg/Kg		78	70 - 130	4	35
Ethylbenzene			0.100	0.08103		mg/Kg		81	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1566		mg/Kg		78	70 - 130	8	35
o-Xylene			0.100	0.07986		mg/Kg		80	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-10888-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18332 — **Prep Batch: 18357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.0998	0.03095	F1	mg/Kg		31	70 - 130
Toluene	<0.00200	U F1	0.0998	0.1022		mg/Kg		102	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.08502		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.004369	F1	mg/Kg		2	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0998	0.06315	F1	mg/Kg		63	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*190*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*

Lab Sample ID: 880-10888-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18332 — **Prep Batch: 18357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0994	0.07815	F2	mg/Kg		79	70 - 130	87	35
Toluene	<0.00200	U F1	0.0994	0.1459	F1	mg/Kg		147	70 - 130	35	35
Ethylbenzene	<0.00200	U	0.0994	0.1010		mg/Kg		102	70 - 130	17	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.01195	F2 F1	mg/Kg		6	70 - 130	93	35
o-Xylene	<0.00200	U F2 F1	0.0994	0.3480	F1 F2	mg/Kg		350	70 - 130	139	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*463*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*168*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-18361/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18462 — **Prep Batch: 18361**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/22 09:00	02/03/22 22:14	1

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: MB 880-18361/5-A
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/22 09:00	02/03/22 22:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/03/22 09:00*	*02/03/22 22:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/03/22 09:00*	*02/03/22 22:14*	*1*

Lab Sample ID: LCS 880-18361/1-A
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08168		mg/Kg		82	70 - 130
Toluene	0.100	0.08307		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08488		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1732		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08940		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-18361/2-A
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07641		mg/Kg		76	70 - 130	7	35
Toluene	0.100	0.08096		mg/Kg		81	70 - 130	3	35
Ethylbenzene	0.100	0.08209		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1694		mg/Kg		85	70 - 130	2	35
o-Xylene	0.100	0.08747		mg/Kg		87	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-10875-A-48-D MS
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.100	0.04223	F1	mg/Kg		42	70 - 130
Toluene	<0.00200	U F1	0.100	0.04381	F1	mg/Kg		44	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.04603	F1	mg/Kg		46	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.09724	F1	mg/Kg		49	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05004	F1	mg/Kg		50	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10875-A-48-D MS
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18361

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-10875-A-48-E MSD
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.03234	F1	mg/Kg		32	70 - 130	27	35
Toluene	<0.00200	U F1	0.100	0.03586	F1	mg/Kg		36	70 - 130	20	35
Ethylbenzene	<0.00200	U F1	0.100	0.03495	F1	mg/Kg		35	70 - 130	27	35
m-Xylene & p-Xylene	<0.00401	U F1	0.201	0.07455	F1	mg/Kg		37	70 - 130	26	35
o-Xylene	<0.00200	U F1	0.100	0.04331	F1	mg/Kg		43	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-18353/1-A
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	229.5		50.0		mg/Kg		02/02/22 11:22	02/04/22 11:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 11:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 11:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*83*		*70 - 130*	*02/02/22 11:22*	*02/04/22 11:23*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/02/22 11:22*	*02/04/22 11:23*	*1*

Lab Sample ID: LCS 880-18353/2-A
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1090		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: LCSD 880-18353/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18548 — **Prep Batch: 18353**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.4		mg/Kg		100	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	982.4		mg/Kg		98	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 880-10889-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18548 — **Prep Batch: 18353**

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 F2	999	1229		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F2	999	957.5		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*65*	*S1-*	*70 - 130*

Lab Sample ID: 880-10889-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 18548 — **Prep Batch: 18353**

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 F2	999	972.6	F2	mg/Kg		96	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	999	764.6	F2	mg/Kg		77	70 - 130	22	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*60*	*S1-*	*70 - 130*
o-Terphenyl	*52*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18364/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 18600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/04/22 15:54	1

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-18364/2-A
Matrix: Solid
Analysis Batch: 18600

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	274.0		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-18364/3-A
Matrix: Solid
Analysis Batch: 18600

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	274.1		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-10889-A-1-F MS
Matrix: Solid
Analysis Batch: 18600

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	18.6		250	257.5		mg/Kg		96	90 - 110		

Lab Sample ID: 880-10889-A-1-G MSD
Matrix: Solid
Analysis Batch: 18600

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	18.6		250	251.4		mg/Kg		93	90 - 110	2	20

Lab Sample ID: MB 880-18365/1-A
Matrix: Solid
Analysis Batch: 18601

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			02/04/22 22:09	1

Lab Sample ID: LCS 880-18365/2-A
Matrix: Solid
Analysis Batch: 18601

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	241.1		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-18365/3-A
Matrix: Solid
Analysis Batch: 18601

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	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-10890-6 MS
Matrix: Solid
Analysis Batch: 18601

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	74.1		250	338.6		mg/Kg		106	90 - 110		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-10890-6 MSD
Matrix: Solid
Analysis Batch: 18601

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	74.1		250	330.0		mg/Kg		103	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

GC VOA

Prep Batch: 18304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18304/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 18332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Total/NA	Solid	8021B	18357
880-10890-2	S-1 (1-1.5')	Total/NA	Solid	8021B	18357
880-10890-3	S-1 (2-2.5')	Total/NA	Solid	8021B	18357
880-10890-4	S-1 (3-3.5')	Total/NA	Solid	8021B	18357
880-10890-5	S-2 (0-1')	Total/NA	Solid	8021B	18357
880-10890-6	S-2 (1-1.5')	Total/NA	Solid	8021B	18357
880-10890-7	S-2 (2-2.5')	Total/NA	Solid	8021B	18357
880-10890-8	S-3 (0-1')	Total/NA	Solid	8021B	18357
880-10890-9	S-3 (1-1.5')	Total/NA	Solid	8021B	18357
880-10890-10	S-4 (0-1')	Total/NA	Solid	8021B	18357
MB 880-18304/5-A	Method Blank	Total/NA	Solid	8021B	18304
MB 880-18357/5-A	Method Blank	Total/NA	Solid	8021B	18357
LCS 880-18357/1-A	Lab Control Sample	Total/NA	Solid	8021B	18357
LCSD 880-18357/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18357
880-10888-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	18357
880-10888-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18357

Prep Batch: 18357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Total/NA	Solid	5035	
880-10890-2	S-1 (1-1.5')	Total/NA	Solid	5035	
880-10890-3	S-1 (2-2.5')	Total/NA	Solid	5035	
880-10890-4	S-1 (3-3.5')	Total/NA	Solid	5035	
880-10890-5	S-2 (0-1')	Total/NA	Solid	5035	
880-10890-6	S-2 (1-1.5')	Total/NA	Solid	5035	
880-10890-7	S-2 (2-2.5')	Total/NA	Solid	5035	
880-10890-8	S-3 (0-1')	Total/NA	Solid	5035	
880-10890-9	S-3 (1-1.5')	Total/NA	Solid	5035	
880-10890-10	S-4 (0-1')	Total/NA	Solid	5035	
MB 880-18357/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18357/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18357/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10888-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-10888-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 18361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-11	S-4 (1-1.5')	Total/NA	Solid	5035	
880-10890-12	S-5 (0-1')	Total/NA	Solid	5035	
880-10890-13	S-5 (1-1.5')	Total/NA	Solid	5035	
MB 880-18361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10875-A-48-D MS	Matrix Spike	Total/NA	Solid	5035	
880-10875-A-48-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

GC VOA

Analysis Batch: 18462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-11	S-4 (1-1.5')	Total/NA	Solid	8021B	18361
880-10890-12	S-5 (0-1')	Total/NA	Solid	8021B	18361
880-10890-13	S-5 (1-1.5')	Total/NA	Solid	8021B	18361
MB 880-18361/5-A	Method Blank	Total/NA	Solid	8021B	18361
LCS 880-18361/1-A	Lab Control Sample	Total/NA	Solid	8021B	18361
LCSD 880-18361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18361
880-10875-A-48-D MS	Matrix Spike	Total/NA	Solid	8021B	18361
880-10875-A-48-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18361

Analysis Batch: 18770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-10890-2	S-1 (1-1.5')	Total/NA	Solid	Total BTEX	
880-10890-3	S-1 (2-2.5')	Total/NA	Solid	Total BTEX	
880-10890-4	S-1 (3-3.5')	Total/NA	Solid	Total BTEX	
880-10890-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-10890-6	S-2 (1-1.5')	Total/NA	Solid	Total BTEX	
880-10890-7	S-2 (2-2.5')	Total/NA	Solid	Total BTEX	
880-10890-8	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-10890-9	S-3 (1-1.5')	Total/NA	Solid	Total BTEX	
880-10890-10	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-10890-11	S-4 (1-1.5')	Total/NA	Solid	Total BTEX	
880-10890-12	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-10890-13	S-5 (1-1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 18353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-10890-2	S-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-10890-3	S-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-10890-4	S-1 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-10890-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-10890-6	S-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-10890-7	S-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-10890-8	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-10890-9	S-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-10890-10	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-10890-11	S-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-10890-12	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-10890-13	S-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-18353/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18353/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10889-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10889-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Total/NA	Solid	8015B NM	18353

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

GC Semi VOA (Continued)

Analysis Batch: 18548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-2	S-1 (1-1.5')	Total/NA	Solid	8015B NM	18353
880-10890-3	S-1 (2-2.5')	Total/NA	Solid	8015B NM	18353
880-10890-4	S-1 (3-3.5')	Total/NA	Solid	8015B NM	18353
880-10890-5	S-2 (0-1')	Total/NA	Solid	8015B NM	18353
880-10890-6	S-2 (1-1.5')	Total/NA	Solid	8015B NM	18353
880-10890-7	S-2 (2-2.5')	Total/NA	Solid	8015B NM	18353
880-10890-8	S-3 (0-1')	Total/NA	Solid	8015B NM	18353
880-10890-9	S-3 (1-1.5')	Total/NA	Solid	8015B NM	18353
880-10890-10	S-4 (0-1')	Total/NA	Solid	8015B NM	18353
880-10890-11	S-4 (1-1.5')	Total/NA	Solid	8015B NM	18353
880-10890-12	S-5 (0-1')	Total/NA	Solid	8015B NM	18353
880-10890-13	S-5 (1-1.5')	Total/NA	Solid	8015B NM	18353
MB 880-18353/1-A	Method Blank	Total/NA	Solid	8015B NM	18353
LCS 880-18353/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18353
LCSD 880-18353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18353
880-10889-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	18353
880-10889-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18353

Analysis Batch: 18777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-10890-2	S-1 (1-1.5')	Total/NA	Solid	8015 NM	
880-10890-3	S-1 (2-2.5')	Total/NA	Solid	8015 NM	
880-10890-4	S-1 (3-3.5')	Total/NA	Solid	8015 NM	
880-10890-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-10890-6	S-2 (1-1.5')	Total/NA	Solid	8015 NM	
880-10890-7	S-2 (2-2.5')	Total/NA	Solid	8015 NM	
880-10890-8	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-10890-9	S-3 (1-1.5')	Total/NA	Solid	8015 NM	
880-10890-10	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-10890-11	S-4 (1-1.5')	Total/NA	Solid	8015 NM	
880-10890-12	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-10890-13	S-5 (1-1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-10890-2	S-1 (1-1.5')	Soluble	Solid	DI Leach	
880-10890-3	S-1 (2-2.5')	Soluble	Solid	DI Leach	
880-10890-4	S-1 (3-3.5')	Soluble	Solid	DI Leach	
880-10890-5	S-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-18364/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18364/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18364/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10889-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-10889-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

HPLC/IC

Leach Batch: 18365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-6	S-2 (1-1.5')	Soluble	Solid	DI Leach	
880-10890-7	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-10890-8	S-3 (0-1')	Soluble	Solid	DI Leach	
880-10890-9	S-3 (1-1.5')	Soluble	Solid	DI Leach	
880-10890-10	S-4 (0-1')	Soluble	Solid	DI Leach	
880-10890-11	S-4 (1-1.5')	Soluble	Solid	DI Leach	
880-10890-12	S-5 (0-1')	Soluble	Solid	DI Leach	
880-10890-13	S-5 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-18365/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18365/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18365/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10890-6 MS	S-2 (1-1.5')	Soluble	Solid	DI Leach	
880-10890-6 MSD	S-2 (1-1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 18600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-1	S-1 (0-1')	Soluble	Solid	300.0	18364
880-10890-2	S-1 (1-1.5')	Soluble	Solid	300.0	18364
880-10890-3	S-1 (2-2.5')	Soluble	Solid	300.0	18364
880-10890-4	S-1 (3-3.5')	Soluble	Solid	300.0	18364
880-10890-5	S-2 (0-1')	Soluble	Solid	300.0	18364
MB 880-18364/1-A	Method Blank	Soluble	Solid	300.0	18364
LCS 880-18364/2-A	Lab Control Sample	Soluble	Solid	300.0	18364
LCSD 880-18364/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18364
880-10889-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	18364
880-10889-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	18364

Analysis Batch: 18601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10890-6	S-2 (1-1.5')	Soluble	Solid	300.0	18365
880-10890-7	S-2 (2-2.5')	Soluble	Solid	300.0	18365
880-10890-8	S-3 (0-1')	Soluble	Solid	300.0	18365
880-10890-9	S-3 (1-1.5')	Soluble	Solid	300.0	18365
880-10890-10	S-4 (0-1')	Soluble	Solid	300.0	18365
880-10890-11	S-4 (1-1.5')	Soluble	Solid	300.0	18365
880-10890-12	S-5 (0-1')	Soluble	Solid	300.0	18365
880-10890-13	S-5 (1-1.5')	Soluble	Solid	300.0	18365
MB 880-18365/1-A	Method Blank	Soluble	Solid	300.0	18365
LCS 880-18365/2-A	Lab Control Sample	Soluble	Solid	300.0	18365
LCSD 880-18365/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18365
880-10890-6 MS	S-2 (1-1.5')	Soluble	Solid	300.0	18365
880-10890-6 MSD	S-2 (1-1.5')	Soluble	Solid	300.0	18365

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-1
Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 06:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 15:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 21:02	CH	XEN MID

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

Lab Sample ID: 880-10890-2
Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 06:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 15:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 21:09	CH	XEN MID

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

Lab Sample ID: 880-10890-3
Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 07:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 16:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 21:17	CH	XEN MID

Client Sample ID: S-1 (3-3.5')

Lab Sample ID: 880-10890-4
Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 07:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Client Sample ID: S-1 (3-3.5')

Lab Sample ID: 880-10890-4

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 16:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 21:24	CH	XEN MID

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

Lab Sample ID: 880-10890-5

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 07:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 17:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 21:32	CH	XEN MID

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

Lab Sample ID: 880-10890-6

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 08:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 17:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 22:32	CH	XEN MID

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

Lab Sample ID: 880-10890-7

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 08:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 17:47	AJ	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-7
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 22:55	CH	XEN MID

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

Lab Sample ID: 880-10890-8
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 08:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 18:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 23:02	CH	XEN MID

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

Lab Sample ID: 880-10890-9
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 09:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 23:10	CH	XEN MID

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

Lab Sample ID: 880-10890-10
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18357	02/02/22 11:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/03/22 09:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 18:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 23:18	CH	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10890-11
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 05:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 23:40	CH	XEN MID

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

Lab Sample ID: 880-10890-12
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 05:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 19:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 23:48	CH	XEN MID

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

Lab Sample ID: 880-10890-13
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 05:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 19:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18365	02/02/22 11:58	CH	XEN MID
Soluble	Analysis	300.0		1			18601	02/04/22 23:56	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10890-1
SDG: Lea CO NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10890-1	S-1 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-2	S-1 (1-1.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-3	S-1 (2-2.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-4	S-1 (3-3.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-5	S-2 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-6	S-2 (1-1.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-7	S-2 (2-2.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-8	S-3 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-9	S-3 (1-1.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-10	S-4 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-11	S-4 (1-1.5')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-12	S-5 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10890-13	S-5 (1-1.5')	Solid	02/01/22 00:00	02/02/22 10:31

Chain of Custody

880-10890 Chain of Custody

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nglep.com

Work Order Comments

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

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sidewinder SWD	Turn Around	
Project Number:	1003	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date:	72 Hrs
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank: Yes (No)	Wet Ice: (Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	TR9
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.2
Total Containers:		Corrected Temperature:	2.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (0-1')	2/1/2022		X		G	1		X	X	X		
S-1 (1-1.5')	2/1/2022		X		G	1		X	X	X		
S-1 (2-2.5')	2/1/2022		X		G	1		X	X	X		
S-1 (3-3.5')	2/1/2022		X		G	1		X	X	X		
S-2 (0-1')	2/1/2022		X		G	1		X	X	X		
S-2 (1-1.5')	2/1/2022		X		G	1		X	X	X		
S-2 (2-2.5')	2/1/2022		X		G	1		X	X	X		
S-3 (0-1')	2/1/2022		X		G	1		X	X	X		
S-3 (1-1.5')	2/1/2022		X		G	1		X	X	X		
S-4 (0-1')	2/1/2022		X		G	1		X	X	X		

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Tom Mahring		2/2/22 1031	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

Work Order No: _____

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nglep.com

Work Order Comments

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

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sidewinder SWD	Turn Around	
Project Number:	1003	☐ Routine	☑ Rush
Project Location	Lea Co, NM	Due Date:	72 Hrs
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-4 (1-1.5')	2/1/2022		X		G	1		X	X	X		
S-5 (0-1')	2/1/2022		X		G	1		X	X	X		
S-5 (1-1.5')	2/1/2022		X		G	1		X	X	X		

Parameters

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/2/22	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-10890-1
SDG Number: Lea CO NM

Login Number: 10890
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-10889-1
Laboratory Sample Delivery Group: Lea CO NM
Client Project/Site: Sidewinder SWD

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

Attn: Conner Moehring

JKramer

Authorized for release by:
2/7/2022 4:07:49 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Carmona Resources
Project/Site: Sidewinder SWD

Laboratory Job ID: 880-10889-1
SDG: Lea CO NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Qualifiers

GC VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Job ID: 880-10889-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-10889-1

Receipt
The samples were received on 2/2/2022 10:31 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 2.3°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18361 and analytical batch 880-18462 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-1') (880-10889-1), H-3 (0-1') (880-10889-3), (880-10889-A-1-B MS) and (880-10889-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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10889-1
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:00	02/03/22 23:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:00	02/03/22 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/03/22 09:00*	*02/03/22 23:16*	*1*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/03/22 09:00*	*02/04/22 03:21*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/03/22 09:00*	*02/03/22 23:16*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/03/22 09:00*	*02/04/22 03:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		02/02/22 11:22	02/04/22 12:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9		mg/Kg		02/02/22 11:22	02/04/22 12:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*54*	*S1-*	*70 - 130*	*02/02/22 11:22*	*02/04/22 12:28*	*1*
o-Terphenyl	*46*	*S1-*	*70 - 130*	*02/02/22 11:22*	*02/04/22 12:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.6**		4.99		mg/Kg			02/04/22 19:54	1

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

Lab Sample ID: 880-10889-2
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 23:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 23:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 23:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/22 09:00	02/03/22 23:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 23:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/22 09:00	02/03/22 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*02/03/22 09:00*	*02/03/22 23:37*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10889-2
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*02/03/22 09:00*	*02/04/22 03:42*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/03/22 09:00*	*02/03/22 23:37*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/03/22 09:00*	*02/04/22 03:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/02/22 11:22*	*02/04/22 20:11*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/02/22 11:22*	*02/04/22 20:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.7**		5.00		mg/Kg			02/04/22 20:16	1

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

Lab Sample ID: 880-10889-3
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:00	02/03/22 23:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:00	02/03/22 23:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:00	02/03/22 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/03/22 09:00*	*02/03/22 23:57*	*1*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*02/03/22 09:00*	*02/04/22 04:02*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/03/22 09:00*	*02/03/22 23:57*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*02/03/22 09:00*	*02/04/22 04:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/07/22 15:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10889-3
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 13:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 13:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 11:22	02/04/22 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/02/22 11:22*	*02/04/22 13:53*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*02/02/22 11:22*	*02/04/22 13:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.1**		5.00		mg/Kg			02/04/22 20:24	1

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

Lab Sample ID: 880-10889-4
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:00	02/04/22 00:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:00	02/04/22 00:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:00	02/04/22 00:18	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/03/22 09:00	02/04/22 00:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:00	02/04/22 00:18	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/03/22 09:00	02/04/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/03/22 09:00*	*02/04/22 00:18*	*1*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/03/22 09:00*	*02/04/22 04:23*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/03/22 09:00*	*02/04/22 00:18*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/03/22 09:00*	*02/04/22 04:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 14:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 14:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 14:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10889-4
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	02/02/22 11:22	02/04/22 14:15	1
o-Terphenyl	83		70 - 130	02/02/22 11:22	02/04/22 14:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.0		4.97		mg/Kg			02/04/22 20:47	1

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

Lab Sample ID: 880-10889-5
Matrix: Solid
Date Collected: 02/01/22 00:00
Date Received: 02/02/22 10:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:00	02/04/22 00:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:00	02/04/22 00:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:00	02/04/22 00:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/03/22 09:00	02/04/22 00:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:00	02/04/22 00:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/03/22 09:00	02/04/22 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/03/22 09:00	02/04/22 00:38	1
4-Bromofluorobenzene (Surr)	120		70 - 130	02/03/22 09:00	02/04/22 04:43	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	02/03/22 09:00	02/04/22 00:38	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130	02/03/22 09:00	02/04/22 04:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/07/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/22 16:46	1

Method: 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		02/02/22 11:22	02/04/22 14:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 14:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	02/02/22 11:22	02/04/22 14:37	1
o-Terphenyl	82		70 - 130	02/02/22 11:22	02/04/22 14:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.6		5.04		mg/Kg			02/04/22 20:54	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-10875-A-48-D MS	Matrix Spike	118	99
880-10875-A-48-E MSD	Matrix Spike Duplicate	128	96
880-10889-1	H-1 (0-1')	111	98
880-10889-1	H-1 (0-1')	122	93
880-10889-2	H-2 (0-1')	138 S1+	101
880-10889-2	H-2 (0-1')	147 S1+	103
880-10889-3	H-3 (0-1')	114	81
880-10889-3	H-3 (0-1')	138 S1+	124
880-10889-4	H-4 (0-1')	112	84
880-10889-4	H-4 (0-1')	121	89
880-10889-5	H-5 (0-1')	111	69 S1-
880-10889-5	H-5 (0-1')	120	62 S1-
LCS 880-18361/1-A	Lab Control Sample	115	104
LCSD 880-18361/2-A	Lab Control Sample Dup	119	102
MB 880-18361/5-A	Method Blank	109	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-10889-1	H-1 (0-1')	54 S1-	46 S1-
880-10889-1 MS	H-1 (0-1')	75	65 S1-
880-10889-1 MSD	H-1 (0-1')	60 S1-	52 S1-
880-10889-2	H-2 (0-1')	83	81
880-10889-3	H-3 (0-1')	72	62 S1-
880-10889-4	H-4 (0-1')	89	83
880-10889-5	H-5 (0-1')	87	82

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-18353/2-A	Lab Control Sample	82	89
LCSD 880-18353/3-A	Lab Control Sample Dup	89	90
MB 880-18353/1-A	Method Blank	83	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18361/5-A
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:00	02/03/22 22:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/22 09:00	02/03/22 22:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/03/22 09:00*	*02/03/22 22:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/03/22 09:00*	*02/03/22 22:14*	*1*

Lab Sample ID: LCS 880-18361/1-A
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18361

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08168		mg/Kg		82	70 - 130		
Toluene			0.100	0.08307		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08488		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene			0.200	0.1732		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.08940		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-18361/2-A
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18361

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07641		mg/Kg		76	70 - 130	7	35
Toluene			0.100	0.08096		mg/Kg		81	70 - 130	3	35
Ethylbenzene			0.100	0.08209		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1694		mg/Kg		85	70 - 130	2	35
o-Xylene			0.100	0.08747		mg/Kg		87	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-10875-A-48-D MS
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.100	0.04223	F1	mg/Kg		42	70 - 130		
Toluene	<0.00200	U F1	0.100	0.04381	F1	mg/Kg		44	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10875-A-48-D MS
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.100	0.04603	F1	mg/Kg		46	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.09724	F1	mg/Kg		49	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05004	F1	mg/Kg		50	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-10875-A-48-E MSD
Matrix: Solid
Analysis Batch: 18462

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 18361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.03234	F1	mg/Kg		32	70 - 130	27	35
Toluene	<0.00200	U F1	0.100	0.03586	F1	mg/Kg		36	70 - 130	20	35
Ethylbenzene	<0.00200	U F1	0.100	0.03495	F1	mg/Kg		35	70 - 130	27	35
m-Xylene & p-Xylene	<0.00401	U F1	0.201	0.07455	F1	mg/Kg		37	70 - 130	26	35
o-Xylene	<0.00200	U F1	0.100	0.04331	F1	mg/Kg		43	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-18353/1-A
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	229.5		50.0		mg/Kg		02/02/22 11:22	02/04/22 11:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 11:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 11:22	02/04/22 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*02/02/22 11:22*	*02/04/22 11:23*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/02/22 11:22*	*02/04/22 11:23*	*1*

Lab Sample ID: LCS 880-18353/2-A
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1090		mg/Kg		109	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: LCS 880-18353/2-A
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18353

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: LCSD 880-18353/3-A
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18353

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.4		mg/Kg		100	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	982.4		mg/Kg		98	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-10889-1 MS
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: H-1 (0-1')
Prep Type: Total/NA
Prep Batch: 18353

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 F2	999	1229		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F2	999	957.5		mg/Kg		96	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	65	S1-	70 - 130

Lab Sample ID: 880-10889-1 MSD
Matrix: Solid
Analysis Batch: 18548

Client Sample ID: H-1 (0-1')
Prep Type: Total/NA
Prep Batch: 18353

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 F2	999	972.6	F2	mg/Kg		96	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	999	764.6	F2	mg/Kg		77	70 - 130	22	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	60	S1-	70 - 130
o-Terphenyl	52	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18364/1-A
Matrix: Solid
Analysis Batch: 18600

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			02/04/22 15:54	1

Lab Sample ID: LCS 880-18364/2-A
Matrix: Solid
Analysis Batch: 18600

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	274.0		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-18364/3-A
Matrix: Solid
Analysis Batch: 18600

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	274.1		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-10889-1 MS
Matrix: Solid
Analysis Batch: 18600

Client Sample ID: H-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	18.6		250	257.5		mg/Kg		96	90 - 110		

Lab Sample ID: 880-10889-1 MSD
Matrix: Solid
Analysis Batch: 18600

Client Sample ID: H-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18.6		250	251.4		mg/Kg		93	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

GC VOA

Prep Batch: 18361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Total/NA	Solid	5035	
880-10889-1	H-1 (0-1')	Total/NA	Solid	5035	
880-10889-2	H-2 (0-1')	Total/NA	Solid	5035	
880-10889-2	H-2 (0-1')	Total/NA	Solid	5035	
880-10889-3	H-3 (0-1')	Total/NA	Solid	5035	
880-10889-3	H-3 (0-1')	Total/NA	Solid	5035	
880-10889-4	H-4 (0-1')	Total/NA	Solid	5035	
880-10889-4	H-4 (0-1')	Total/NA	Solid	5035	
880-10889-5	H-5 (0-1')	Total/NA	Solid	5035	
880-10889-5	H-5 (0-1')	Total/NA	Solid	5035	
MB 880-18361/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18361/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18361/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10875-A-48-D MS	Matrix Spike	Total/NA	Solid	5035	
880-10875-A-48-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 18462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Total/NA	Solid	8021B	18361
880-10889-1	H-1 (0-1')	Total/NA	Solid	8021B	18361
880-10889-2	H-2 (0-1')	Total/NA	Solid	8021B	18361
880-10889-2	H-2 (0-1')	Total/NA	Solid	8021B	18361
880-10889-3	H-3 (0-1')	Total/NA	Solid	8021B	18361
880-10889-3	H-3 (0-1')	Total/NA	Solid	8021B	18361
880-10889-4	H-4 (0-1')	Total/NA	Solid	8021B	18361
880-10889-4	H-4 (0-1')	Total/NA	Solid	8021B	18361
880-10889-5	H-5 (0-1')	Total/NA	Solid	8021B	18361
880-10889-5	H-5 (0-1')	Total/NA	Solid	8021B	18361
MB 880-18361/5-A	Method Blank	Total/NA	Solid	8021B	18361
LCS 880-18361/1-A	Lab Control Sample	Total/NA	Solid	8021B	18361
LCSD 880-18361/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18361
880-10875-A-48-D MS	Matrix Spike	Total/NA	Solid	8021B	18361
880-10875-A-48-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18361

Analysis Batch: 18770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-10889-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-10889-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-10889-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
880-10889-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 18353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-10889-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-10889-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-10889-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-10889-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

GC Semi VOA (Continued)

Prep Batch: 18353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18353/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18353/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10889-1 MS	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-10889-1 MSD	H-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Total/NA	Solid	8015B NM	18353
880-10889-2	H-2 (0-1')	Total/NA	Solid	8015B NM	18353
880-10889-3	H-3 (0-1')	Total/NA	Solid	8015B NM	18353
880-10889-4	H-4 (0-1')	Total/NA	Solid	8015B NM	18353
880-10889-5	H-5 (0-1')	Total/NA	Solid	8015B NM	18353
MB 880-18353/1-A	Method Blank	Total/NA	Solid	8015B NM	18353
LCS 880-18353/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18353
LCSD 880-18353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18353
880-10889-1 MS	H-1 (0-1')	Total/NA	Solid	8015B NM	18353
880-10889-1 MSD	H-1 (0-1')	Total/NA	Solid	8015B NM	18353

Analysis Batch: 18777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-10889-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-10889-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-10889-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
880-10889-5	H-5 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-10889-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-10889-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-10889-4	H-4 (0-1')	Soluble	Solid	DI Leach	
880-10889-5	H-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-18364/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18364/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18364/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10889-1 MS	H-1 (0-1')	Soluble	Solid	DI Leach	
880-10889-1 MSD	H-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 18600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10889-1	H-1 (0-1')	Soluble	Solid	300.0	18364
880-10889-2	H-2 (0-1')	Soluble	Solid	300.0	18364
880-10889-3	H-3 (0-1')	Soluble	Solid	300.0	18364
880-10889-4	H-4 (0-1')	Soluble	Solid	300.0	18364
880-10889-5	H-5 (0-1')	Soluble	Solid	300.0	18364
MB 880-18364/1-A	Method Blank	Soluble	Solid	300.0	18364
LCS 880-18364/2-A	Lab Control Sample	Soluble	Solid	300.0	18364

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

HPLC/IC (Continued)

Analysis Batch: 18600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-18364/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18364
880-10889-1 MS	H-1 (0-1')	Soluble	Solid	300.0	18364
880-10889-1 MSD	H-1 (0-1')	Soluble	Solid	300.0	18364

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10889-1

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/03/22 23:16	KL	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 03:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 12:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 19:54	CH	XEN MID

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

Lab Sample ID: 880-10889-2

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/03/22 23:37	KL	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 03:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 20:11	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 20:16	CH	XEN MID

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

Lab Sample ID: 880-10889-3

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/03/22 23:57	KL	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 04:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 13:53	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 20:24	CH	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Lab Sample ID: 880-10889-4

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 00:18	KL	XEN MID
Total/NA	Prep	5035			5.03 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 04:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 20:47	CH	XEN MID

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

Lab Sample ID: 880-10889-5

Date Collected: 02/01/22 00:00
Matrix: Solid
Date Received: 02/02/22 10:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 00:38	KL	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	18361	02/03/22 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18462	02/04/22 04:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:26	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18353	02/02/22 11:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18548	02/04/22 14:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18364	02/02/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			18600	02/04/22 20:54	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-10889-1
SDG: Lea CO NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10889-1	H-1 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10889-2	H-2 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10889-3	H-3 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10889-4	H-4 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31
880-10889-5	H-5 (0-1')	Solid	02/01/22 00:00	02/02/22 10:31

Chain of Custody

880-10889 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name:	Carmona Resources	Company Name:	NGL Water Solutions Permian
Address:	310 W Wall St. Ste 415	Address:	865 North Albion St. Ste. 400
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Denver, CO 80220
Phone:	432.813.6823	Email:	joseph.vargo@nglep.com

Work Order Comments

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

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sidewinder SWD	Turn Around	
Project Number:	1003	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date:	72 Hrs
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.2
Total Containers:		Corrected Temperature:	2.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

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

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-10889-1
SDG Number: Lea CO NM

Login Number: 10889
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12789-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Sidewinder SWD

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

Attn: Conner Moehring

JKramer

Authorized for release by:
3/25/2022 3:38:23 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Carmona Resources
Project/Site: Sidewinder SWD

Laboratory Job ID: 880-12789-1
SDG: Lea Co, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Job ID: 880-12789-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-12789-1

Receipt
The samples were received on 3/23/2022 2:17 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/24/22 07:30	03/25/22 01:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/22 07:30	03/25/22 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/24/22 07:30*	*03/25/22 01:11*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/24/22 07:30*	*03/25/22 01:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/22 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/24/22 16:08	1

Method: 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		03/23/22 15:04	03/23/22 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/22 15:04	03/23/22 15:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/22 15:04	03/23/22 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/23/22 15:04*	*03/23/22 15:26*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/23/22 15:04*	*03/23/22 15:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**283**		4.96		mg/Kg			03/25/22 12:31	1

Client Sample ID: S-3 (3')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/22 07:30	03/25/22 01:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/25/22 01:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/22 07:30	03/25/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/24/22 07:30*	*03/25/22 01:31*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/24/22 07:30*	*03/25/22 01:31*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Client Sample ID: S-3 (3')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/25/22 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/24/22 16:08	1

Method: 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		03/23/22 15:04	03/23/22 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/22 15:04	03/23/22 15:47	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/22 15:04	03/23/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/23/22 15:04*	*03/23/22 15:47*	*1*
o-Terphenyl	*84*		*70 - 130*	*03/23/22 15:04*	*03/23/22 15:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.2**		5.04		mg/Kg			03/25/22 12:40	1

Client Sample ID: S-3 (4')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/24/22 07:30	03/25/22 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/22 07:30	03/25/22 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/22 07:30	03/25/22 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/22 07:30	03/25/22 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/22 07:30	03/25/22 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/22 07:30	03/25/22 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/24/22 07:30*	*03/25/22 01:52*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/24/22 07:30*	*03/25/22 01:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/25/22 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/24/22 16:08	1

Method: 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		03/23/22 15:04	03/23/22 16:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/22 15:04	03/23/22 16:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Client Sample ID: S-3 (4')
Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/22 15:04	03/23/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/23/22 15:04*	*03/23/22 16:28*	*1*
o-Terphenyl	*87*		*70 - 130*	*03/23/22 15:04*	*03/23/22 16:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**		5.00		mg/Kg			03/25/22 12:49	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-12762-A-1-E MS	Matrix Spike	102	104
880-12762-A-1-F MSD	Matrix Spike Duplicate	104	106
880-12789-1	S-3 (2')	108	103
880-12789-2	S-3 (3')	113	105
880-12789-3	S-3 (4')	106	104
LCS 880-21823/1-A	Lab Control Sample	105	103
LCSD 880-21823/2-A	Lab Control Sample Dup	98	101
MB 880-21823/5-A	Method Blank	98	102

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-12789-1	S-3 (2')	81	88
880-12789-2	S-3 (3')	81	84
880-12789-3	S-3 (4')	81	87
890-2119-A-1-F MS	Matrix Spike	101	107
890-2119-A-1-G MSD	Matrix Spike Duplicate	100	106

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-22186/2-A	Lab Control Sample	93	101
LCSD 880-22186/3-A	Lab Control Sample Dup	93	100
MB 880-22186/1-A	Method Blank	98	114

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21823/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22265 — **Prep Batch: 21823**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/24/22 17:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/24/22 17:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/24/22 17:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/22 07:30	03/24/22 17:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/22 07:30	03/24/22 17:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/22 07:30	03/24/22 17:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/24/22 07:30*	*03/24/22 17:25*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/24/22 07:30*	*03/24/22 17:25*	*1*

Lab Sample ID: LCS 880-21823/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22265 — **Prep Batch: 21823**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09555		mg/Kg		96	70 - 130
Toluene	0.100	0.09727		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2413		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1175		mg/Kg		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-21823/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22265 — **Prep Batch: 21823**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08471		mg/Kg		85	70 - 130	12	35
Toluene	0.100	0.08475		mg/Kg		85	70 - 130	14	35
Ethylbenzene	0.100	0.08895		mg/Kg		89	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2074		mg/Kg		104	70 - 130	15	35
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-12762-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22265 — **Prep Batch: 21823**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.0994	0.09084		mg/Kg		91	70 - 130
Toluene	<0.00202	U	0.0994	0.09058		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-12762-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22265 — **Prep Batch: 21823**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U	0.0994	0.09607		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.2228		mg/Kg		112	70 - 130
o-Xylene	<0.00202	U	0.0994	0.1082		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-12762-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22265 — **Prep Batch: 21823**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09563		mg/Kg		95	70 - 130	5	35
Toluene	<0.00202	U	0.100	0.09477		mg/Kg		94	70 - 130	5	35
Ethylbenzene	<0.00202	U	0.100	0.1005		mg/Kg		99	70 - 130	4	35
m-Xylene & p-Xylene	<0.00403	U	0.201	0.2343		mg/Kg		117	70 - 130	5	35
o-Xylene	<0.00202	U	0.100	0.1152		mg/Kg		115	70 - 130	6	35

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

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

Lab Sample ID: MB 880-22186/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22176 — **Prep Batch: 22186**

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		03/23/22 08:44	03/23/22 10:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/22 08:44	03/23/22 10:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/22 08:44	03/23/22 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*03/23/22 08:44*	*03/23/22 10:59*	*1*
o-Terphenyl	*114*		*70 - 130*	*03/23/22 08:44*	*03/23/22 10:59*	*1*

Lab Sample ID: LCS 880-22186/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 22176 — **Prep Batch: 22186**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.2		mg/Kg		90	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-22186/2-A
Matrix: Solid
Analysis Batch: 22176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 22186

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-22186/3-A
Matrix: Solid
Analysis Batch: 22176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 22186

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1155		mg/Kg		115	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	935.4		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-2119-A-1-F MS
Matrix: Solid
Analysis Batch: 22176

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 22186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	876.0		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	820.7		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-2119-A-1-G MSD
Matrix: Solid
Analysis Batch: 22176

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 22186

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	<49.8	U	999	886.4		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	821.1		mg/Kg		79	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	106		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22343/1-A
Matrix: Solid
Analysis Batch: 22357

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			03/25/22 10:36	1

Lab Sample ID: LCS 880-22343/2-A
Matrix: Solid
Analysis Batch: 22357

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	274.1		mg/Kg		110	90 - 110		

Lab Sample ID: LCSD 880-22343/3-A
Matrix: Solid
Analysis Batch: 22357

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	274.7		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-12847-A-1-B MS
Matrix: Solid
Analysis Batch: 22357

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	36.6		249	308.2		mg/Kg		109	90 - 110		

Lab Sample ID: 880-12847-A-1-C MSD
Matrix: Solid
Analysis Batch: 22357

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	36.6		249	308.3		mg/Kg		109	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 21823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Total/NA	Solid	5035	
880-12789-2	S-3 (3')	Total/NA	Solid	5035	
880-12789-3	S-3 (4')	Total/NA	Solid	5035	
MB 880-21823/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21823/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21823/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12762-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-12762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 22265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Total/NA	Solid	8021B	21823
880-12789-2	S-3 (3')	Total/NA	Solid	8021B	21823
880-12789-3	S-3 (4')	Total/NA	Solid	8021B	21823
MB 880-21823/5-A	Method Blank	Total/NA	Solid	8021B	21823
LCS 880-21823/1-A	Lab Control Sample	Total/NA	Solid	8021B	21823
LCSD 880-21823/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21823
880-12762-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	21823
880-12762-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21823

Analysis Batch: 22394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Total/NA	Solid	Total BTEX	
880-12789-2	S-3 (3')	Total/NA	Solid	Total BTEX	
880-12789-3	S-3 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 22176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Total/NA	Solid	8015B NM	22186
880-12789-2	S-3 (3')	Total/NA	Solid	8015B NM	22186
880-12789-3	S-3 (4')	Total/NA	Solid	8015B NM	22186
MB 880-22186/1-A	Method Blank	Total/NA	Solid	8015B NM	22186
LCS 880-22186/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22186
LCSD 880-22186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22186
890-2119-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	22186
890-2119-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22186

Prep Batch: 22186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-12789-2	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-12789-3	S-3 (4')	Total/NA	Solid	8015NM Prep	
MB 880-22186/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22186/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2119-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2119-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 22293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Total/NA	Solid	8015 NM	
880-12789-2	S-3 (3')	Total/NA	Solid	8015 NM	
880-12789-3	S-3 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Soluble	Solid	DI Leach	
880-12789-2	S-3 (3')	Soluble	Solid	DI Leach	
880-12789-3	S-3 (4')	Soluble	Solid	DI Leach	
MB 880-22343/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22343/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22343/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12847-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12847-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 22357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12789-1	S-3 (2')	Soluble	Solid	300.0	22343
880-12789-2	S-3 (3')	Soluble	Solid	300.0	22343
880-12789-3	S-3 (4')	Soluble	Solid	300.0	22343
MB 880-22343/1-A	Method Blank	Soluble	Solid	300.0	22343
LCS 880-22343/2-A	Lab Control Sample	Soluble	Solid	300.0	22343
LCSD 880-22343/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22343
880-12847-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	22343
880-12847-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22343

Lab Chronicle

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Client Sample ID: S-3 (2')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-1
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			5.01 g	5 mL	21823	03/24/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22265	03/25/22 01:11	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			22394	03/25/22 16:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22293	03/24/22 16:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22186	03/23/22 15:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22176	03/23/22 15:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	22343	03/25/22 09:00	CH	XEN MID
Soluble	Analysis	300.0		1			22357	03/25/22 12:31	CH	XEN MID

Client Sample ID: S-3 (3')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-2
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			5.00 g	5 mL	21823	03/24/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22265	03/25/22 01:31	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			22394	03/25/22 16:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22293	03/24/22 16:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22186	03/23/22 15:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22176	03/23/22 15:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	22343	03/25/22 09:00	CH	XEN MID
Soluble	Analysis	300.0		1			22357	03/25/22 12:40	CH	XEN MID

Client Sample ID: S-3 (4')

Date Collected: 03/22/22 00:00
Date Received: 03/23/22 14:17

Lab Sample ID: 880-12789-3
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			5.02 g	5 mL	21823	03/24/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22265	03/25/22 01:52	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			22394	03/25/22 16:04	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22293	03/24/22 16:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	22186	03/23/22 15:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22176	03/23/22 16:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22343	03/25/22 09:00	CH	XEN MID
Soluble	Analysis	300.0		1			22357	03/25/22 12:49	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Sidewinder SWD

Job ID: 880-12789-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12789-1	S-3 (2')	Solid	03/22/22 00:00	03/23/22 14:17
880-12789-2	S-3 (3')	Solid	03/22/22 00:00	03/23/22 14:17
880-12789-3	S-3 (4')	Solid	03/22/22 00:00	03/23/22 14:17

Work Order No: 12789

Page 1 of 1

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

Work Order Comments

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

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name.	Sidewinder SWD	Turn Around	
Project Number	1003	☐ Routine ☑ Rush	
Project Location	Lea Co, NM	Due Date	48 HR
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Received Intact.	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-1
Sample Custody Seals	Yes No (N/A)	Temperature Reading	2
Total Containers		Corrected Temperature	1

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-3 (2')	3/22/2022		X		G	1		X	X	X		
S-3 (3')	3/22/2022		X		G	1		X	X	X		
S-3 (4')	3/22/2022		X		G	1		X	X	X		

880-12789 Chain of Custody

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Lexi Rodriguez	03/23/22 14:17	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 93404

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 93404
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	4/22/2022