



SITE INFORMATION

Closure Report

Osprey 2 State Com 3H Flare Fire (08.21.24)

Lea County, New Mexico

Incident ID: nAPP2423454602

Unit K Sec 20 T21S R34E

32.463810°, -103.494791°

Crude Oil Release

Point of Release: Equipment Failure

Release Date: 08.21.24

Volume Released: 0.0419 barrels of Crude Oil

Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:

Concho Operating, LLC

600 West Illinois Avenue

Midland, Texas 79701

Prepared by:

Carmona Resources, LLC

310 West Wall Street

Suite 500

Midland, Texas 79701

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September 25, 2024

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

Re: Closure Report
Osprey 20 State Com 3H (08.21.24)
Concho Operating, LLC
Incident ID: nAPP2423454602
Site Location: Unit K, S20, T21S, R34E
(Lat 32.463810°, Long -103.494791°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Osprey 20 State Com 3H (08.21.24). The site is located at 32.463810°, -103.494791° within Unit K, S20, T21S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 21, 2024, due to a flare fire. This released approximately zero point zero four one nine (0.0419) barrels of crude oil with zero (0) barrels of crude oil recovered. Refer to Figure 3. The release occurred on the pad. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.94 miles East of the site in S21, T21S, R34E and was drilled in 1984. The well has a reported depth to groundwater of 128' below ground surface (ft bgs). A copy of the associated 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 was utilized in assessing the site.

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

4.0 Site Assessment Activities

Initial Assessment

On August 26, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points (S-1 & S-2) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 1' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas.



The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on September 10, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area was excavated to a depth of 1.0' to ensure the removal of all impacted material. A total of three (3) confirmation floor samples were collected (CS-1 through CS-3), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated material. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced from the Merchant Livestock Pit, located at GPS 32.487358, -103.510235. The pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 25 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. 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

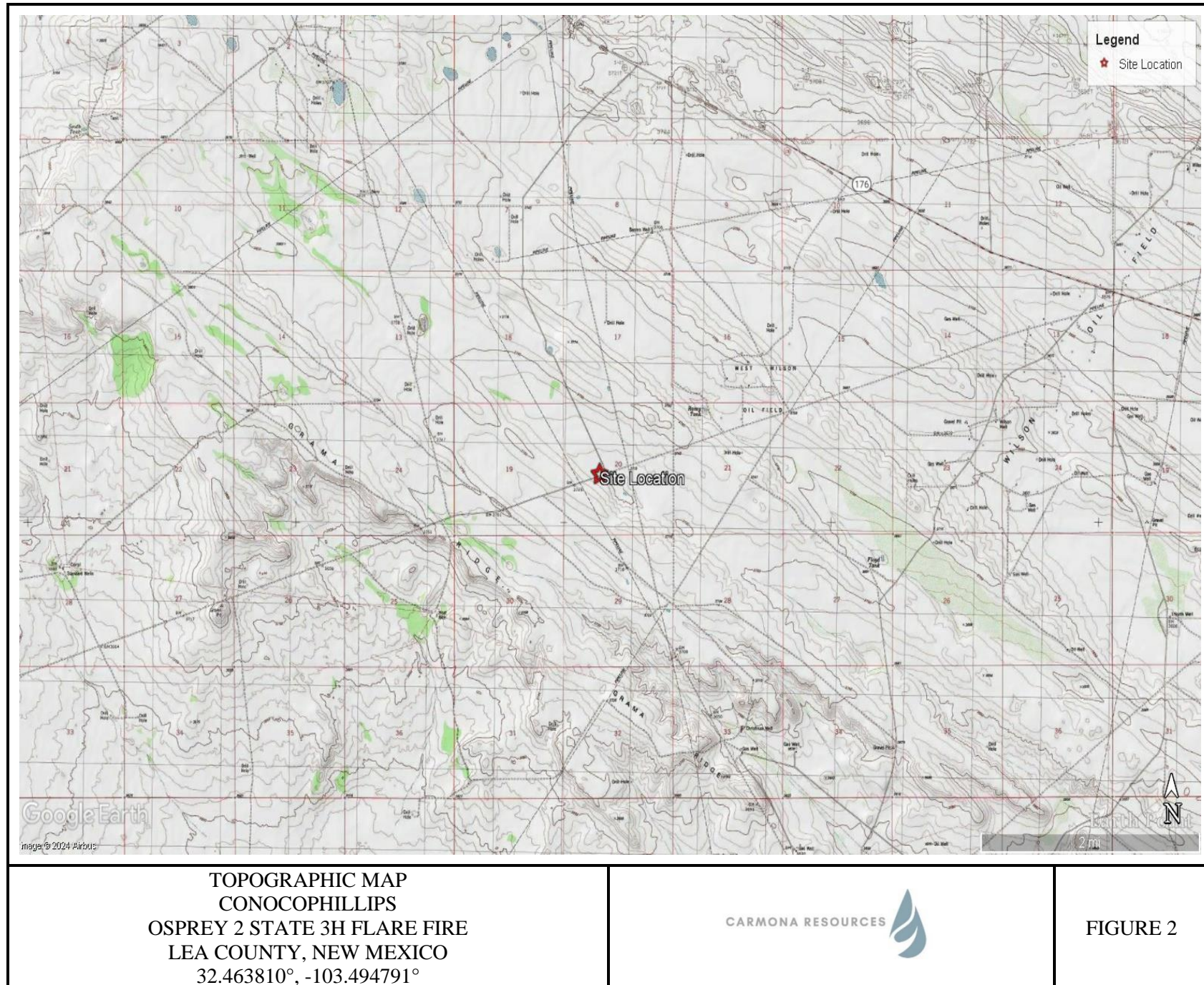
Clinton Merritt
Sr. Project Manager

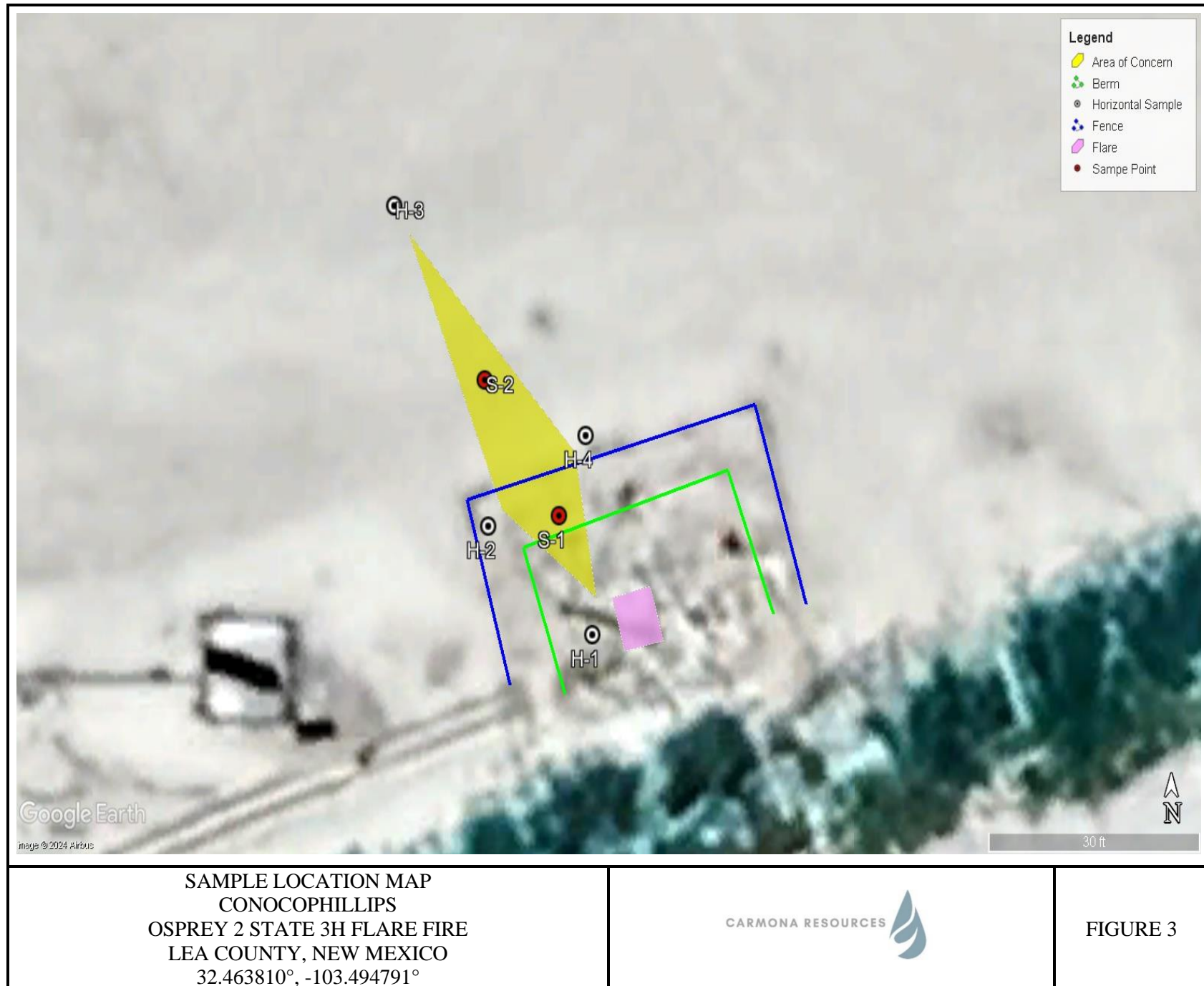
FIGURES

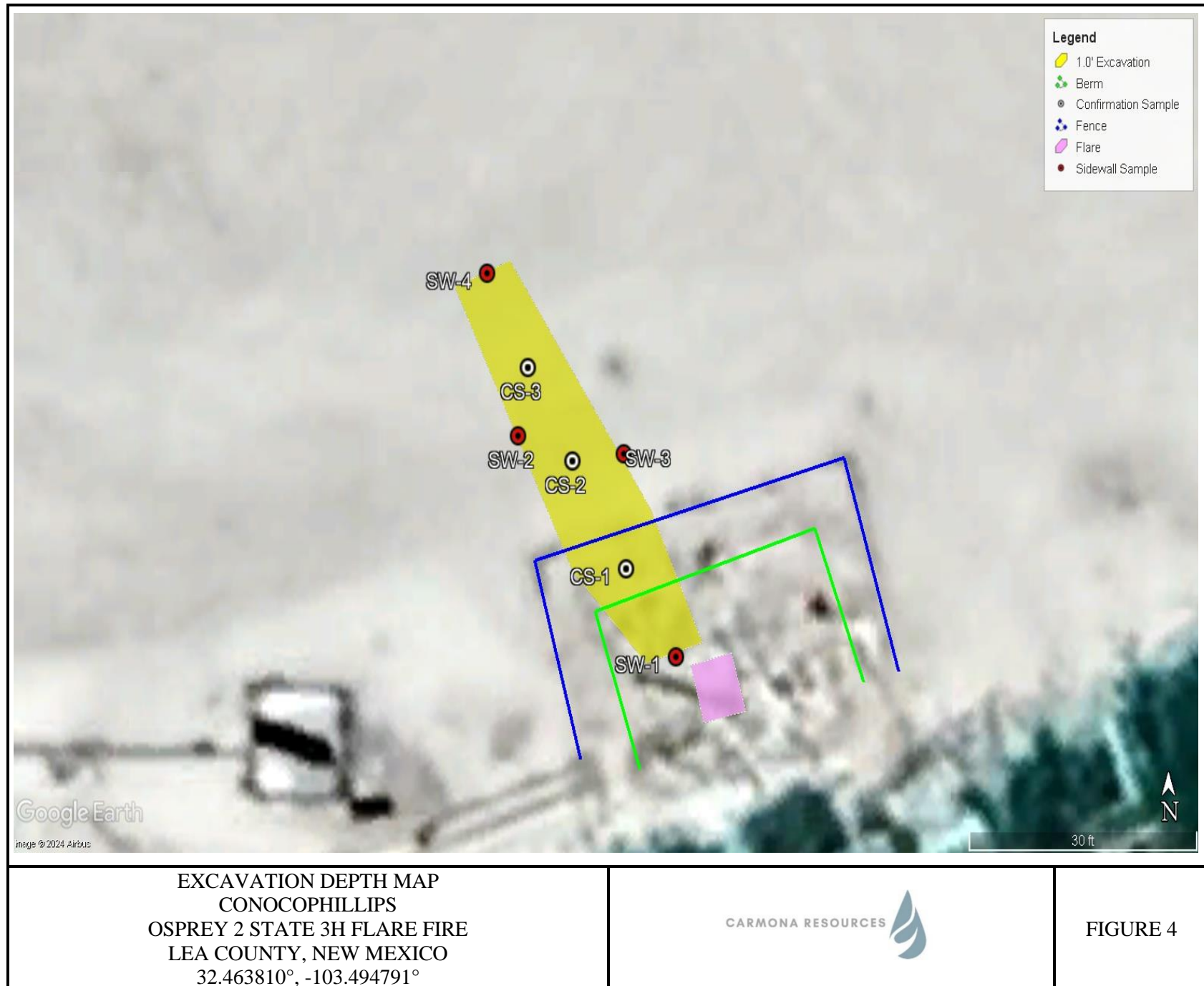
CARMONA RESOURCES











APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Osprey 2 State 3H Flare Fire
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)
			GRO	DRO	MRO	Total						
S-1	8/26/2024	3.0"	<50.0	2,570	<50.0	2,570	0.0195	0.0534	0.0176	0.0486	0.139	38.7
	"	6.0"	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.7
S-2	8/26/2024	3.0"	<49.8	3,020	<49.8	3,020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.5
	"	6.0"	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	34.2
	"	12.0"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.5
H-1	8/26/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	8.12
H-2	8/26/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.2
H-3	8/26/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24.0
H-4	8/26/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	18.1
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

 Removed

Table 2
Conoco Phillips
Osprey 2 State 3H Flare Fire
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)
			GRO	DRO	MRO	Total						
CS-1	9/12/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7.68
CS-2	9/12/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	13.9
CS-3	9/12/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	39.1
SW-1	9/12/2024	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.91
SW-2	9/12/2024	1.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.8
SW-3	9/12/2024	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.9
SW-4	9/12/2024	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	34.2
Merchant Livestock	9/12/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.2
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: Osprey 2 State Com 3H Flare Fire
(08.21.24)

County: Lea County, New Mexico

Description:

View of the area of concern on pad.



Photograph No. 2

Facility: Osprey 2 State Com 3H Flare Fire
(08.21.24)

County: Lea County, New Mexico

Description:

View Southeast, area of Confirmation Samples (1-3).



Photograph No. 3

Facility: Osprey 2 State Com 3H Flare Fire
(08.21.24)

County: Lea County, New Mexico

Description:

View Southeast, area of the backfilled excavation after being watered down and compacted.



APPENDIX C

CARMONA RESOURCES



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

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

QUESTIONS

Action 376258

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 376258
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Osprey 20 State Com 3H
Date Release Discovered	08/21/2024
Surface Owner	State

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

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 376258

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 376258
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More volume information must be supplied to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Emergency services were not notified. Release was confined to the well pad. Facility has been cleared by safety personnel.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 376258

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 376258
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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Santa Fe, NM 87505

CONDITIONS

Action 376258

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 376258
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlaire	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/21/2024

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
<div>Received by OCD: 10/10/2024 2:53:36 PM</div> <div>Convert Irregular shape into a series of rectangles</div>								Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	<div>Page 20 of 136</div> <div>Current Rule of Thumb - RMR Handover Volume, (yd³.)</div>
Rectangle A	12.0	6.0	0.1	On-Pad✓	10.50%	0.11	0.01	0.03	750
Rectangle B	12.0	4.0	0.1	On-Pad✓	10.50%	0.07	0.01	0.02	
Rectangle C	6.0	9.0	0.3	On-Pad✓	10.50%	0.20	0.02	0.05	
Rectangle D	4.0	3.0	0.5	On-Pad✓	10.50%	0.09	0.01	0.02	
Rectangle E				✓		0.00		0.00	
Rectangle F				✓		0.00		0.00	
Rectangle G				✓		0.00		0.00	
Rectangle H				✓		0.00		0.00	
Rectangle I				✓		0.00		0.00	
Rectangle J				✓		0.00		0.00	
Total Subsurface Volume Released:							0.0491	0.12	BU
<div>Released to Imaging: 10/21/2024 1:18:53 PM</div>									

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Santa Fe, NM 87505

QUESTIONS

Action 382210

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 382210
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423454602
Incident Name	NAPP2423454602 OSPREY 20 STATE COM 3H @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2203831166] Osprey 20 St Com 3H - Rt Btty

Location of Release Source	
Site Name	Osprey 20 State Com 3H
Date Release Discovered	08/21/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	461
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
Time sampling will commence	03:30 PM
Please provide any information necessary for observers to contact samplers	Conner Moerhring (432) 813-6823
Please provide any information necessary for navigation to sampling site	32.463810, -103.494791

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Santa Fe, NM 87505

CONDITIONS

Action 382210

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 382210
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jlaire	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/10/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

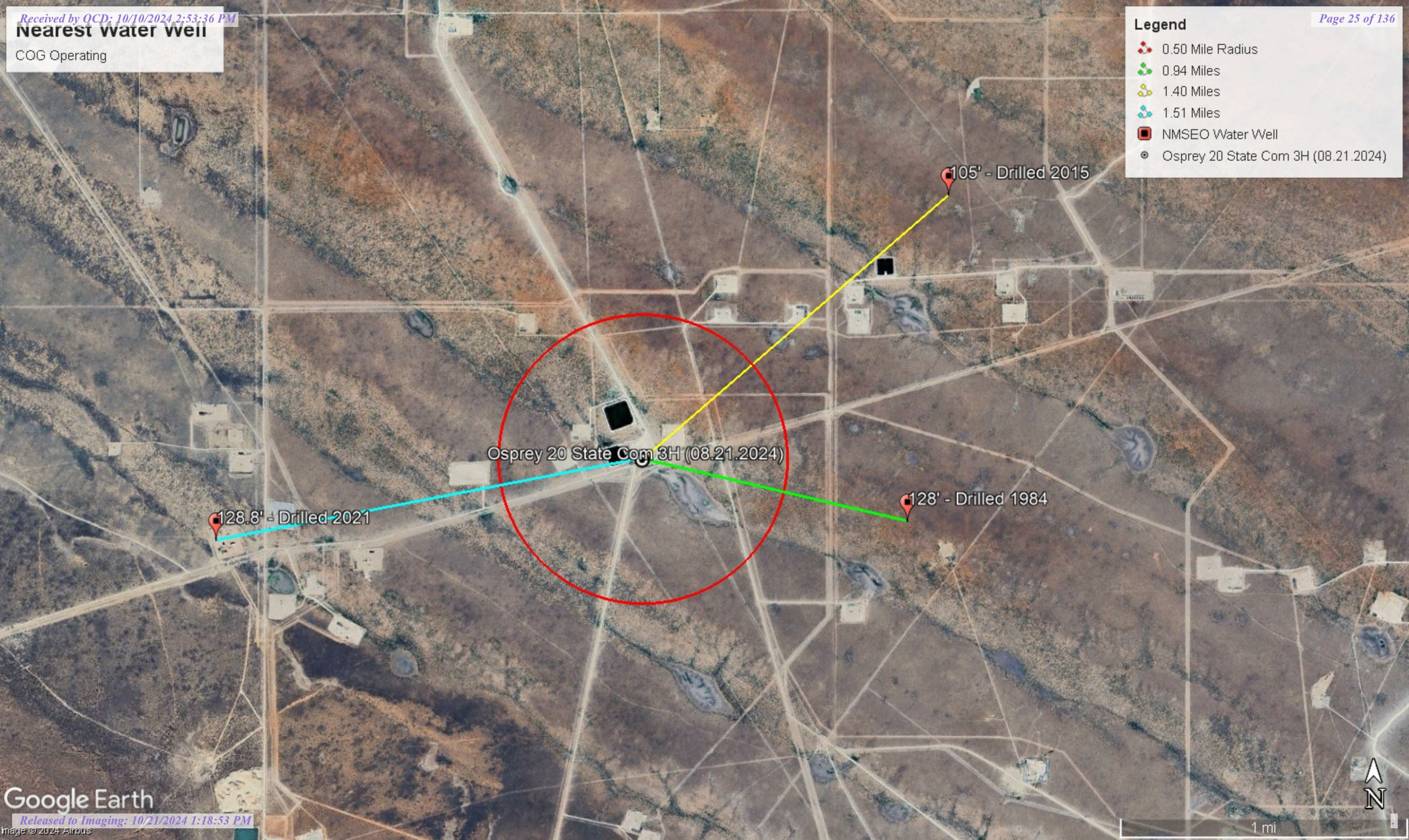


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.94 Miles
- 1.40 Miles
- 1.51 Miles
- NMSEO Water Well
- Osprey 20 State Com 3H (08.21.2024)



Osprey 20 State Com 3H (08.21.2024)

105' - Drilled 2015

128' - Drilled 1984

128.8' - Drilled 2021



1 mi

Low Karst

COG Operating

Legend

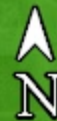


Low



Osprey 20 State Com 3H (08.21.2024)

Osprey 20 State Com 3H (08.21.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 00583		CP	LE			SW	21	21S	34E	642944.0	3592518.0 *		1515	171	128	43
CP 01364 POD1		CP	LE	SE	NE	SW	16	21S	34E	643146.9	3594331.5		2246	165	105	60
CP 01091 POD1		CP	LE	SW	SW	NE	28	21S	34E	643446.0	3591434.0		2431	200	140	60
CP 01067 POD1		CP	LE	NW	SW	SE	28	21S	34E	643446.8	3591434.2		2432	210	140	70
CP 01366 POD1		CP	LE	SE	SE	NW	16	21S	34E	643196.5	3594698.8		2538	180	110	70
CP 01671 POD1		CP	LE	NE	SE	NW	16	21S	34E	643108.4	3594887.3		2623	157		
CP 00571 POD1		CP	LE	SW	NW	SE	28	21S	34E	643499.0	3591063.0		2703	170	135	35
CP 01066 POD1		CP	LE	SE	SW	NE	28	21S	34E	643735.0	3591345.0		2720	210	140	70
CP 01069 POD1		CP	LE	NE	NW	SE	28	21S	34E	643737.0	3591191.0		2809	210	140	70
CP 01068 POD1		CP	LE	SE	NW	SE	28	21S	34E	643609.0	3591005.0		2824	180	140	40
CP 00600 POD1		CP	LE		NE	SE	25	21S	33E	639152.0	3591054.0 *		2923	65		
CP 00498		CP	LE		NE	SE	08	21S	34E	642287.0	3595932.0 *		3196	145	120	25
CP 00765 POD1		CP	LE		SW	NE	13	21S	33E	638698.0	3594668.0 *		3313	508		
CP 00766 POD1		CP	LE		SW	NE	13	21S	33E	638698.0	3594668.0 *		3313	510		
CP 00588 POD1		CP	LE		SW	NE	33	21S	34E	643583.0	3589918.0 *		3611	89		
CP 00589 POD1		CP	LE		SW	NE	33	21S	34E	643583.0	3589918.0 *		3611	84		

Average Depth to Water: 129 feet

Minimum Depth: 105 feet

Maximum Depth: 140 feet

Record Count: 16

UTM Filters (in meters):

Easting: 641463.94

Northing: 3592842.96


Radius: 4000

* UTM location was derived from PLSS - see Help

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 00583			SW	21	21S	34E	642944.0	3592518.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	1984-06-06	Drill Finish Date:	1984-06-07	Plug Date:	
Log File Date:	1984-06-18	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	6.63	Depth Well:	171	Depth Water:	128

Water Bearing Stratifications:

Top	Bottom	Description
110	169	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
109	169

Meter Information

Meter Number:	2974	Meter Make:	MASTER
Meter Serial Number:	1746630	Meter Multiplier:	100.0000
Number of Dials:	5	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Quarterly (No Reading Expected)

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2000-06-05	2000	16351.000	A	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2000-07-31	2000	25783.000	A	RPT		2.895	

YTD Meter Amounts:

Year	Amount
2000	2.895

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
605 ALBUQUERQUE BLVD.
N.W. ALBUQUERQUE, NM 87102

705 26 11 2:37

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) CP-1364 Baron North				OSE FILE NUMBER(S)			
	WELL OWNER NAME(S) Merchants/Glenn's Water Well Service, Inc.				PHONE (OPTIONAL) 575-398-2424			
	WELL OWNER MAILING ADDRESS P. O. Box 692				CITY Tatum		STATE NM	ZIP 88267
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE	32	28	37.2			
	LONGITUDE	103	28	35.9	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4NE1/4SW1/4 Section 16, Township 21 South, Range 34 East on Merchants Livestock Land								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD 421		NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.		
	DRILLING STARTED 06/24/15	DRILLING ENDED 06/24/15	DEPTH OF COMPLETED WELL (FT) 165'		BORE HOLE DEPTH (FT) 165'	DEPTH WATER FIRST ENCOUNTERED (FT) 105'		
	COMPLETED WELL IS: <input checked="" type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input type="radio"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 105'		
	DRILLING FLUID: <input type="radio"/> AIR <input checked="" type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	22'	16"	Steel	None	10 3/4"	.188	
	0'	165'	16"	Steel (Bottom 90 feet perforated)	Weld	8 5/8"	.188	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0'	22'	16"	Cemented	Fill to Top	Top Pour		
	0'	165'	16"	3/8 Veilmore Gravel	17.4 CY	Top Pour		

FOR OSE INTERNAL USE

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


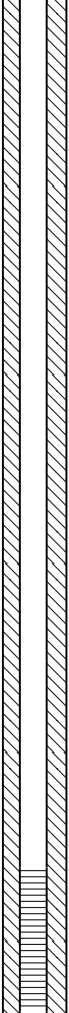
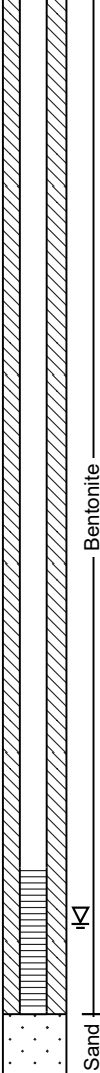

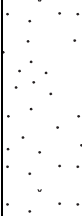
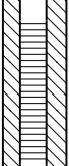

FILE NUMBER	CP-1364	POD NUMBER	1	TRN NUMBER	550366
LOCATION	21S 34E 16		421		PAGE 1 OF 2

[illegible]

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	CP-1364	POD NUMBER	1
LOCATION		TRN NUMBER	550366
21S 34E 16		421	
			PAGE 2 OF 2



Soil Boring/Temporary Monitor Well TMW-1

Company: Goodnight Midstream Permian, LLC			Well/Borehole ID: TMW-1	Drilling Company: Scarborough Drilling, Inc.			
Site: Blueberry SWD			Coordinates (NAD 83): 32.459725,-103.520119	Driller: L. Scarborough			
NMOCD Reference #: nRM2010753767			Drilling Date: 9/15/2021	Drilling Method: Air Rotary			
Location: Lea Co., NM			Depth of Boring (ft): 150	Logged By: L. Scarborough			
PLSS: U/L "P" (SE/SE), Sec. 24, T21S, R33E			Depth to Groundwater (ft): 128.8	Drafted By: B. Arguijo			
			Plugging Date: 10/25/2021	Draft Date: 10/29/2021			
Completion: N/A			Casing: N/A	Screen: N/A			
Comments: N/A							
Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Lab	PID	Well Construction
10			Caliche Topsoil	-	-	-	 Bentonite
20			Caliche	-	-	-	
30				-	-	-	
40			Sandy with rock ledges	-	-	-	
50				-	-	-	
60				-	-	-	
70				-	-	-	
80				-	-	-	
90				-	-	-	
100				-	-	-	
110				-	-	-	
120				-	-	-	
130			Loose sand	-	-	-	 Bentonite
140				-	-	-	 Sand
150				-	-	-	
160			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual. • Due to the non-cohesive nature of the soil at lower depths, water was injected beginning at approximately 120 feet below ground surface (bgs) to prevent collapse of the borehole. • Borehole collapsed from approximately 141.5' to 150' bgs.				
170							

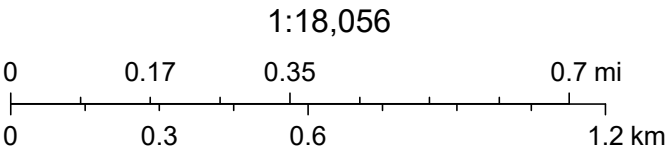
Disclaimer This bore log is intended for environmental not geotechnical purposes.

Osprey 20 State Com 3H (08.21.2024)



8/23/2024, 10:55:51 AM

- OSW Water Bodys
- OSE Probable Playas



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/29/2024 3:24:40 PM

JOB DESCRIPTION

Osprey 2 State Com 3H Flare Fire
Lea County, New Mexico

JOB NUMBER

880-47789-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/29/2024 3:24:40 PM

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

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Laboratory Job ID: 880-47789-1
SDG: Lea County, New Mexico

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1

Job ID: 880-47789-1**Eurofins Midland**

Job Narrative
880-47789-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 8/27/2024 4:20 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 0.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-47789-1), S-1 (6") (880-47789-2), S-2 (0-3") (880-47789-3), S-2 (6") (880-47789-4) and S-2 (12") (880-47789-5).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-47789-1) and S-2 (0-3") (880-47789-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-89523 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-89508 and analytical batch 880-89523 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The matrix spike recoveries and precision for preparation batch 880-89508 and analytical batch 880-89523 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Matrix spike duplicate is acceptable and is used to validate batch as per the method only one is needed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-89523 exhibited % difference of > 20% for the following analyte(s) Gasoline Range Organics (GRO)-C6-C10. These results are within the acceptance limits but exceed the performance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (820-14928-A-40-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89508/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-89508/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1

Job ID: 880-47789-1 (Continued) **Eurofins Midland**

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

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Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-47789-1

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0195		0.00200		mg/Kg		08/28/24 09:33	08/28/24 15:07	1
Toluene	0.0534		0.00200		mg/Kg		08/28/24 09:33	08/28/24 15:07	1
Ethylbenzene	0.0176		0.00200		mg/Kg		08/28/24 09:33	08/28/24 15:07	1
m-Xylene & p-Xylene	0.0330		0.00399		mg/Kg		08/28/24 09:33	08/28/24 15:07	1
o-Xylene	0.0156		0.00200		mg/Kg		08/28/24 09:33	08/28/24 15:07	1
Xylenes, Total	0.0486		0.00399		mg/Kg		08/28/24 09:33	08/28/24 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/28/24 09:33	08/28/24 15:07	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/28/24 09:33	08/28/24 15:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.139		0.00399		mg/Kg			08/28/24 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2570		50.0		mg/Kg			08/29/24 00:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:06	1
Diesel Range Organics (Over C10-C28)	2570	++	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	08/27/24 14:55	08/29/24 00:06	1
o-Terphenyl	135	S1+	70 - 130	08/27/24 14:55	08/29/24 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.7		5.01		mg/Kg			08/28/24 14:04	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-47789-2

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 16:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 16:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 16:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/28/24 09:33	08/28/24 16:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 16:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/28/24 09:33	08/28/24 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/28/24 09:33	08/28/24 16:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/28/24 09:33	08/28/24 16:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (6")

Lab Sample ID: 880-47789-2

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/28/24 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/24 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/27/24 14:55	08/29/24 00:21	1
o-Terphenyl	115		70 - 130				08/27/24 14:55	08/29/24 00:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		4.95		mg/Kg			08/28/24 14:25	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-47789-3

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 17:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/28/24 09:33	08/28/24 17:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/28/24 09:33	08/28/24 17:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/28/24 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3020		49.8		mg/Kg			08/29/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:36	1
Diesel Range Organics (Over C10-C28)	3020	**	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-47789-3

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/27/24 14:55	08/29/24 00:36	1
o-Terphenyl	148	S1+	70 - 130				08/27/24 14:55	08/29/24 00:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.5		4.95		mg/Kg			08/28/24 14:32	1

Client Sample ID: S-2 (6")

Lab Sample ID: 880-47789-4

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/28/24 09:33	08/28/24 17:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/28/24 09:33	08/28/24 17:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/28/24 09:33	08/28/24 17:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/28/24 09:33	08/28/24 17:22	1
o-Xylene	0.00369		0.00202		mg/Kg		08/28/24 09:33	08/28/24 17:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/28/24 09:33	08/28/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				08/28/24 09:33	08/28/24 17:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/28/24 09:33	08/28/24 17:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/28/24 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/24 00:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U **	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				08/27/24 14:55	08/29/24 00:52	1
o-Terphenyl	123		70 - 130				08/27/24 14:55	08/29/24 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.2		4.96		mg/Kg			08/28/24 14:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (12")

Lab Sample ID: 880-47789-5

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 17:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 17:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/28/24 09:33	08/28/24 17:43	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/28/24 09:33	08/28/24 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/28/24 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/27/24 14:55	08/29/24 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		08/27/24 14:55	08/29/24 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/27/24 14:55	08/29/24 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	08/27/24 14:55	08/29/24 01:08	1
o-Terphenyl	104		70 - 130	08/27/24 14:55	08/29/24 01:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		5.01		mg/Kg			08/28/24 14:46	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
820-14928-A-41-E MS	Matrix Spike	103	97
820-14928-A-41-F MSD	Matrix Spike Duplicate	101	98
880-47789-1	S-1 (0-3")	114	98
880-47789-2	S-1 (6")	108	96
880-47789-3	S-2 (0-3")	111	99
880-47789-4	S-2 (6")	120	96
880-47789-5	S-2 (12")	111	98
LCS 880-89553/1-A	Lab Control Sample	105	99
LCSD 880-89553/2-A	Lab Control Sample Dup	104	99
MB 880-89553/5-A	Method Blank	109	91
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)
820-14928-A-40-C MS	Matrix Spike	139 S1+	128
820-14928-A-40-D MSD	Matrix Spike Duplicate	123	112
880-47789-1	S-1 (0-3")	96	135 S1+
880-47789-2	S-1 (6")	115	115
880-47789-3	S-2 (0-3")	100	148 S1+
880-47789-4	S-2 (6")	122	123
880-47789-5	S-2 (12")	104	104
LCS 880-89508/2-A	Lab Control Sample	131 S1+	143 S1+
LCSD 880-89508/3-A	Lab Control Sample Dup	105	143 S1+
MB 880-89508/1-A	Method Blank	105	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89553/5-A

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/28/24 09:33	08/28/24 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/28/24 09:33	08/28/24 11:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/28/24 09:33	08/28/24 11:41	1

Lab Sample ID: LCS 880-89553/1-A

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1127		mg/Kg		113	70 - 130
Toluene	0.100	0.1088		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2296		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-89553/2-A

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89553

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1112		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2251		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1123		mg/Kg		112	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 820-14928-A-41-E MS

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1060		mg/Kg		106	70 - 130
Toluene	<0.00201	U	0.100	0.09964		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 820-14928-A-41-E MS
Matrix: Solid
Analysis Batch: 89543

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 89553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09297		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1987		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.100	0.09919		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 820-14928-A-41-F MSD
Matrix: Solid
Analysis Batch: 89543

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 89553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09858		mg/Kg		99	70 - 130	7	35
Toluene	<0.00201	U	0.100	0.08973		mg/Kg		90	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.100	0.08017		mg/Kg		80	70 - 130	15	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1696		mg/Kg		85	70 - 130	16	35
o-Xylene	<0.00201	U	0.100	0.08515		mg/Kg		85	70 - 130	15	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

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

Lab Sample ID: MB 880-89508/1-A
Matrix: Solid
Analysis Batch: 89523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89508

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		08/27/24 14:55	08/28/24 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/28/24 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/28/24 19:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: LCS 880-89508/2-A
Matrix: Solid
Analysis Batch: 89523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1124		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1388	*+	mg/Kg		139	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-89508/2-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89508

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	143	S1+	70 - 130

Lab Sample ID: LCSD 880-89508/3-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1127		mg/Kg		113	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1473	*+	mg/Kg		147	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	143	S1+	70 - 130

Lab Sample ID: 820-14928-A-40-C MS

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1001		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	87.5	*+	998	1316		mg/Kg		123	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 820-14928-A-40-D MSD

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	884.9		mg/Kg		89	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	87.5	*+	998	1140		mg/Kg		105	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	112		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89572/1-A

Matrix: Solid

Analysis Batch: 89599

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			08/28/24 13:42	1

Lab Sample ID: LCS 880-89572/2-A

Matrix: Solid

Analysis Batch: 89599

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.3		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-89572/3-A

Matrix: Solid

Analysis Batch: 89599

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	234.0		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-47789-1 MS

Matrix: Solid

Analysis Batch: 89599

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	38.7		251	268.5		mg/Kg		92	90 - 110

Lab Sample ID: 880-47789-1 MSD

Matrix: Solid

Analysis Batch: 89599

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	38.7		251	269.8		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 89543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Total/NA	Solid	8021B	89553
880-47789-2	S-1 (6")	Total/NA	Solid	8021B	89553
880-47789-3	S-2 (0-3")	Total/NA	Solid	8021B	89553
880-47789-4	S-2 (6")	Total/NA	Solid	8021B	89553
880-47789-5	S-2 (12")	Total/NA	Solid	8021B	89553
MB 880-89553/5-A	Method Blank	Total/NA	Solid	8021B	89553
LCS 880-89553/1-A	Lab Control Sample	Total/NA	Solid	8021B	89553
LCSD 880-89553/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89553
820-14928-A-41-E MS	Matrix Spike	Total/NA	Solid	8021B	89553
820-14928-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	89553

Prep Batch: 89553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Total/NA	Solid	5035	
880-47789-2	S-1 (6")	Total/NA	Solid	5035	
880-47789-3	S-2 (0-3")	Total/NA	Solid	5035	
880-47789-4	S-2 (6")	Total/NA	Solid	5035	
880-47789-5	S-2 (12")	Total/NA	Solid	5035	
MB 880-89553/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-89553/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-89553/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-14928-A-41-E MS	Matrix Spike	Total/NA	Solid	5035	
820-14928-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 89714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-47789-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-47789-3	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-47789-4	S-2 (6")	Total/NA	Solid	Total BTEX	
880-47789-5	S-2 (12")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 89508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-47789-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-47789-3	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-47789-4	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-47789-5	S-2 (12")	Total/NA	Solid	8015NM Prep	
MB 880-89508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-89508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-89508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-14928-A-40-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-14928-A-40-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 89523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Total/NA	Solid	8015B NM	89508
880-47789-2	S-1 (6")	Total/NA	Solid	8015B NM	89508

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 89523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-3	S-2 (0-3")	Total/NA	Solid	8015B NM	89508
880-47789-4	S-2 (6")	Total/NA	Solid	8015B NM	89508
880-47789-5	S-2 (12")	Total/NA	Solid	8015B NM	89508
MB 880-89508/1-A	Method Blank	Total/NA	Solid	8015B NM	89508
LCS 880-89508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	89508
LCSD 880-89508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	89508
820-14928-A-40-C MS	Matrix Spike	Total/NA	Solid	8015B NM	89508
820-14928-A-40-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	89508

Analysis Batch: 89690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-47789-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-47789-3	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-47789-4	S-2 (6")	Total/NA	Solid	8015 NM	
880-47789-5	S-2 (12")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 89572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-47789-2	S-1 (6")	Soluble	Solid	DI Leach	
880-47789-3	S-2 (0-3")	Soluble	Solid	DI Leach	
880-47789-4	S-2 (6")	Soluble	Solid	DI Leach	
880-47789-5	S-2 (12")	Soluble	Solid	DI Leach	
MB 880-89572/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-89572/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-89572/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47789-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-47789-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	

Analysis Batch: 89599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47789-1	S-1 (0-3")	Soluble	Solid	300.0	89572
880-47789-2	S-1 (6")	Soluble	Solid	300.0	89572
880-47789-3	S-2 (0-3")	Soluble	Solid	300.0	89572
880-47789-4	S-2 (6")	Soluble	Solid	300.0	89572
880-47789-5	S-2 (12")	Soluble	Solid	300.0	89572
MB 880-89572/1-A	Method Blank	Soluble	Solid	300.0	89572
LCS 880-89572/2-A	Lab Control Sample	Soluble	Solid	300.0	89572
LCSD 880-89572/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	89572
880-47789-1 MS	S-1 (0-3")	Soluble	Solid	300.0	89572
880-47789-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	89572

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-47789-1

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89714	08/28/24 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			89690	08/29/24 00:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 00:06	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 14:04	SMC	EET MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-47789-2

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89714	08/28/24 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			89690	08/29/24 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 00:21	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 14:25	SMC	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-47789-3

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89714	08/28/24 17:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			89690	08/29/24 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 00:36	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 14:32	SMC	EET MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-47789-4

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89714	08/28/24 17:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (6")
Date Collected: 08/26/24 00:00
Date Received: 08/27/24 16:20

Lab Sample ID: 880-47789-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			89690	08/29/24 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 00:52	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 14:39	SMC	EET MID

Client Sample ID: S-2 (12")
Date Collected: 08/26/24 00:00
Date Received: 08/27/24 16:20

Lab Sample ID: 880-47789-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89714	08/28/24 17:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			89690	08/29/24 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 01:08	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 14:46	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-47789-1	S-1 (0-3")	Solid	08/26/24 00:00	08/27/24 16:20
880-47789-2	S-1 (6")	Solid	08/26/24 00:00	08/27/24 16:20
880-47789-3	S-2 (0-3")	Solid	08/26/24 00:00	08/27/24 16:20
880-47789-4	S-2 (6")	Solid	08/26/24 00:00	08/27/24 16:20
880-47789-5	S-2 (12")	Solid	08/26/24 00:00	08/27/24 16:20

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Chain of Custody





880-47789 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/1/12		12/1/12

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47789-1
SDG Number: Lea County, New Mexico

Login Number: 47789

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/29/2024 3:25:08 PM

JOB DESCRIPTION

Osprey 2 State Com 3H Flare Fire
Lea County, New Mexico

JOB NUMBER

880-47790-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/29/2024 3:25:08 PM

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

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Laboratory Job ID: 880-47790-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1

Job ID: 880-47790-1

Eurofins Midland

Job Narrative 880-47790-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 8/27/2024 4:20 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 0.6°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-89523 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-89508 and analytical batch 880-89523 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The matrix spike recoveries and precision for preparation batch 880-89508 and analytical batch 880-89523 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Matrix spike duplicate is acceptable and is used to validate batch as per the method only one is needed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-89523 exhibited % difference of > 20% for the following analyte(s) Gasoline Range Organics (GRO)-C6-C10. These results are within the acceptance limits but exceed the performance criteria.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (820-14928-A-40-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89508/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-89508/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-47790-1

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/28/24 09:33	08/28/24 18:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/28/24 09:33	08/28/24 18:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/28/24 09:33	08/28/24 18:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/28/24 09:33	08/28/24 18:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/28/24 09:33	08/28/24 18:03	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/28/24 09:33	08/28/24 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/28/24 09:33	08/28/24 18:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/28/24 09:33	08/28/24 18:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/28/24 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/24 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 01:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U *	49.8		mg/Kg		08/27/24 14:55	08/29/24 01:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	08/27/24 14:55	08/29/24 01:23	1
o-Terphenyl	104		70 - 130	08/27/24 14:55	08/29/24 01:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.12		5.02		mg/Kg			08/28/24 15:08	1

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

Lab Sample ID: 880-47790-2

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 18:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 18:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 18:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/28/24 09:33	08/28/24 18:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 18:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/28/24 09:33	08/28/24 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/28/24 09:33	08/28/24 18:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/28/24 09:33	08/28/24 18:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-47790-2

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/28/24 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/29/24 01:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/27/24 14:55	08/29/24 01:39	1
o-Terphenyl	110		70 - 130				08/27/24 14:55	08/29/24 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		4.97		mg/Kg			08/28/24 15:15	1

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

Lab Sample ID: 880-47790-3

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 18:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/28/24 09:33	08/28/24 18:44	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/28/24 09:33	08/28/24 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/28/24 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/29/24 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U **	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-47790-3

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/27/24 14:55	08/29/24 01:54	1
o-Terphenyl	95		70 - 130				08/27/24 14:55	08/29/24 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.0		5.05		mg/Kg			08/28/24 15:22	1

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

Lab Sample ID: 880-47790-4

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 19:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 19:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 19:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/28/24 09:33	08/28/24 19:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/28/24 09:33	08/28/24 19:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/28/24 09:33	08/28/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/28/24 09:33	08/28/24 19:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/28/24 09:33	08/28/24 19:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/28/24 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/24 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 02:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U **	49.8		mg/Kg		08/27/24 14:55	08/29/24 02:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 02:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/27/24 14:55	08/29/24 02:10	1
o-Terphenyl	98		70 - 130				08/27/24 14:55	08/29/24 02:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		5.05		mg/Kg			08/28/24 15:30	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
820-14928-A-41-E MS	Matrix Spike	103	97
820-14928-A-41-F MSD	Matrix Spike Duplicate	101	98
880-47790-1	H-1 (0'-0.5')	110	96
880-47790-2	H-2 (0'-0.5')	111	96
880-47790-3	H-3 (0'-0.5')	110	97
880-47790-4	H-4 (0'-0.5')	112	97
LCS 880-89553/1-A	Lab Control Sample	105	99
LCSD 880-89553/2-A	Lab Control Sample Dup	104	99
MB 880-89553/5-A	Method Blank	109	91
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)
820-14928-A-40-C MS	Matrix Spike	139 S1+	128
820-14928-A-40-D MSD	Matrix Spike Duplicate	123	112
880-47790-1	H-1 (0'-0.5')	106	104
880-47790-2	H-2 (0'-0.5')	112	110
880-47790-3	H-3 (0'-0.5')	98	95
880-47790-4	H-4 (0'-0.5')	101	98
LCS 880-89508/2-A	Lab Control Sample	131 S1+	143 S1+
LCSD 880-89508/3-A	Lab Control Sample Dup	105	143 S1+
MB 880-89508/1-A	Method Blank	105	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89553/5-A

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/28/24 09:33	08/28/24 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/28/24 09:33	08/28/24 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/28/24 09:33	08/28/24 11:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/28/24 09:33	08/28/24 11:41	1

Lab Sample ID: LCS 880-89553/1-A

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1127		mg/Kg		113	70 - 130
Toluene	0.100	0.1088		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2296		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-89553/2-A

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89553

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1112		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2251		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1123		mg/Kg		112	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 820-14928-A-41-E MS

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1060		mg/Kg		106	70 - 130
Toluene	<0.00201	U	0.100	0.09964		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 820-14928-A-41-E MS
Matrix: Solid
Analysis Batch: 89543

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 89553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09297		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1987		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.100	0.09919		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: 820-14928-A-41-F MSD
Matrix: Solid
Analysis Batch: 89543

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 89553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09858		mg/Kg		99	70 - 130	7	35
Toluene	<0.00201	U	0.100	0.08973		mg/Kg		90	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.100	0.08017		mg/Kg		80	70 - 130	15	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1696		mg/Kg		85	70 - 130	16	35
o-Xylene	<0.00201	U	0.100	0.08515		mg/Kg		85	70 - 130	15	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

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

Lab Sample ID: MB 880-89508/1-A
Matrix: Solid
Analysis Batch: 89523

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89508

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		08/27/24 14:55	08/28/24 19:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/28/24 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/28/24 19:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: LCS 880-89508/2-A
Matrix: Solid
Analysis Batch: 89523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89508

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1124		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1388	*+	mg/Kg		139	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-89508/2-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89508

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	143	S1+	70 - 130

Lab Sample ID: LCSD 880-89508/3-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89508

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1127		mg/Kg		113	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1473	*+	mg/Kg		147	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	143	S1+	70 - 130

Lab Sample ID: 820-14928-A-40-C MS

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1001		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	87.5	*+	998	1316		mg/Kg		123	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 820-14928-A-40-D MSD

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89508

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	884.9		mg/Kg		89	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	87.5	*+	998	1140		mg/Kg		105	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	112		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89572/1-A Matrix: Solid Analysis Batch: 89599										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			08/28/24 13:42	1				

Lab Sample ID: LCS 880-89572/2-A Matrix: Solid Analysis Batch: 89599										Client Sample ID: Lab Control Sample Prep Type: Soluble			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	233.3		mg/Kg		93	90 - 110				

Lab Sample ID: LCSD 880-89572/3-A Matrix: Solid Analysis Batch: 89599										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	234.0		mg/Kg		94	90 - 110	0	20		

Lab Sample ID: 880-47789-A-1-D MS Matrix: Solid Analysis Batch: 89599										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	38.7		251	268.5		mg/Kg		92	90 - 110				

Lab Sample ID: 880-47789-A-1-E MSD Matrix: Solid Analysis Batch: 89599										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	38.7		251	269.8		mg/Kg		92	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 89543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Total/NA	Solid	8021B	89553
880-47790-2	H-2 (0'-0.5')	Total/NA	Solid	8021B	89553
880-47790-3	H-3 (0'-0.5')	Total/NA	Solid	8021B	89553
880-47790-4	H-4 (0'-0.5')	Total/NA	Solid	8021B	89553
MB 880-89553/5-A	Method Blank	Total/NA	Solid	8021B	89553
LCS 880-89553/1-A	Lab Control Sample	Total/NA	Solid	8021B	89553
LCSD 880-89553/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	89553
820-14928-A-41-E MS	Matrix Spike	Total/NA	Solid	8021B	89553
820-14928-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	89553

Prep Batch: 89553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Total/NA	Solid	5035	
880-47790-2	H-2 (0'-0.5')	Total/NA	Solid	5035	
880-47790-3	H-3 (0'-0.5')	Total/NA	Solid	5035	
880-47790-4	H-4 (0'-0.5')	Total/NA	Solid	5035	
MB 880-89553/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-89553/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-89553/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-14928-A-41-E MS	Matrix Spike	Total/NA	Solid	5035	
820-14928-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 89715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Total/NA	Solid	Total BTEX	
880-47790-2	H-2 (0'-0.5')	Total/NA	Solid	Total BTEX	
880-47790-3	H-3 (0'-0.5')	Total/NA	Solid	Total BTEX	
880-47790-4	H-4 (0'-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 89508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Total/NA	Solid	8015NM Prep	
880-47790-2	H-2 (0'-0.5')	Total/NA	Solid	8015NM Prep	
880-47790-3	H-3 (0'-0.5')	Total/NA	Solid	8015NM Prep	
880-47790-4	H-4 (0'-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-89508/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-89508/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-89508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-14928-A-40-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
820-14928-A-40-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 89523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Total/NA	Solid	8015B NM	89508
880-47790-2	H-2 (0'-0.5')	Total/NA	Solid	8015B NM	89508
880-47790-3	H-3 (0'-0.5')	Total/NA	Solid	8015B NM	89508
880-47790-4	H-4 (0'-0.5')	Total/NA	Solid	8015B NM	89508
MB 880-89508/1-A	Method Blank	Total/NA	Solid	8015B NM	89508
LCS 880-89508/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	89508

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 89523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-89508/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	89508
820-14928-A-40-C MS	Matrix Spike	Total/NA	Solid	8015B NM	89508
820-14928-A-40-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	89508

Analysis Batch: 89691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Total/NA	Solid	8015 NM	
880-47790-2	H-2 (0'-0.5')	Total/NA	Solid	8015 NM	
880-47790-3	H-3 (0'-0.5')	Total/NA	Solid	8015 NM	
880-47790-4	H-4 (0'-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 89572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Soluble	Solid	DI Leach	
880-47790-2	H-2 (0'-0.5')	Soluble	Solid	DI Leach	
880-47790-3	H-3 (0'-0.5')	Soluble	Solid	DI Leach	
880-47790-4	H-4 (0'-0.5')	Soluble	Solid	DI Leach	
MB 880-89572/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-89572/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-89572/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-47789-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-47789-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 89599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47790-1	H-1 (0'-0.5')	Soluble	Solid	300.0	89572
880-47790-2	H-2 (0'-0.5')	Soluble	Solid	300.0	89572
880-47790-3	H-3 (0'-0.5')	Soluble	Solid	300.0	89572
880-47790-4	H-4 (0'-0.5')	Soluble	Solid	300.0	89572
MB 880-89572/1-A	Method Blank	Soluble	Solid	300.0	89572
LCS 880-89572/2-A	Lab Control Sample	Soluble	Solid	300.0	89572
LCSD 880-89572/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	89572
880-47789-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	89572
880-47789-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	89572

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-47790-1

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89715	08/28/24 18:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			89691	08/29/24 01:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 01:23	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 15:08	SMC	EET MID

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

Lab Sample ID: 880-47790-2

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89715	08/28/24 18:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			89691	08/29/24 01:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 01:39	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 15:15	SMC	EET MID

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

Lab Sample ID: 880-47790-3

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89715	08/28/24 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			89691	08/29/24 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 01:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 15:22	SMC	EET MID

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

Lab Sample ID: 880-47790-4

Date Collected: 08/26/24 00:00

Matrix: Solid

Date Received: 08/27/24 16:20

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	89553	08/28/24 09:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	89543	08/28/24 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			89715	08/28/24 19:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0'-0.5') Lab Sample ID: 880-47790-4
Date Collected: 08/26/24 00:00 Matrix: Solid
Date Received: 08/27/24 16:20

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			89691	08/29/24 02:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	89508	08/27/24 14:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	89523	08/29/24 02:10	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	89572	08/28/24 11:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	89599	08/28/24 15:30	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47790-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-47790-1	H-1 (0'-0.5')	Solid	08/26/24 00:00	08/27/24 16:20
880-47790-2	H-2 (0'-0.5')	Solid	08/26/24 00:00	08/27/24 16:20
880-47790-3	H-3 (0'-0.5')	Solid	08/26/24 00:00	08/27/24 16:20
880-47790-4	H-4 (0'-0.5')	Solid	08/26/24 00:00	08/27/24 16:20

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- 12
- 13
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Work Order Comments

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

State of Project:



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

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	06/10/18		06/10/18

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47790-1

SDG Number: Lea County, New Mexico

Login Number: 47790

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/16/2024 5:28:09 PM

JOB DESCRIPTION

Osprey 2 State Com 3H Flare Fire
Lea County, New Mexico

JOB NUMBER

880-48435-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Laboratory Job ID: 880-48435-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1

Job ID: 880-48435-1

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Job Narrative
880-48435-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 9/13/2024 3:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1') (880-48435-1), CS-2 (1') (880-48435-2), CS-3 (1') (880-48435-3), SW-1 (1') (880-48435-4), SW-2 (1') (880-48435-5), SW-3 (1') (880-48435-6) and SW-4 (1') (880-48435-7).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-90723 and analytical batch 880-90830 was outside the upper control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-90830 exhibited % difference of > 20% for the following analyte(s) 1-Chlorooctane. These results are within the acceptance limits but exceed the performance criteria.

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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-48435-1

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:40	09/14/24 15:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:40	09/14/24 15:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:40	09/14/24 15:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/14/24 12:40	09/14/24 15:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:40	09/14/24 15:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/14/24 12:40	09/14/24 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/14/24 12:40	09/14/24 15:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/14/24 12:40	09/14/24 15:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/14/24 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/16/24 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/13/24 11:28	09/16/24 15:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/13/24 11:28	09/16/24 15:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/13/24 11:28	09/16/24 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	09/13/24 11:28	09/16/24 15:39	1
o-Terphenyl	81		70 - 130	09/13/24 11:28	09/16/24 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.68		4.96		mg/Kg			09/14/24 11:13	1

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-48435-2

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 15:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 15:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 15:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/14/24 12:40	09/14/24 15:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 15:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/14/24 12:40	09/14/24 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/14/24 12:40	09/14/24 15:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/14/24 12:40	09/14/24 15:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-48435-2

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/14/24 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 12:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 12:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				09/13/24 15:55	09/16/24 12:06	1
o-Terphenyl	94		70 - 130				09/13/24 15:55	09/16/24 12:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.05		mg/Kg			09/14/24 11:19	1

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-48435-3

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 16:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 16:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 16:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/24 12:40	09/14/24 16:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 16:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/24 12:40	09/14/24 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/14/24 12:40	09/14/24 16:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/14/24 12:40	09/14/24 16:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/14/24 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 12:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 12:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 12:53	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	85		70 - 130				09/13/24 15:55	09/16/24 12:53	1	
o-Terphenyl	92		70 - 130				09/13/24 15:55	09/16/24 12:53	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	39.1		4.97		mg/Kg			09/14/24 11:26	1	

Client Sample ID: SW-1 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:40	09/14/24 16:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:40	09/14/24 16:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:40	09/14/24 16:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/24 12:40	09/14/24 16:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/24 12:40	09/14/24 16:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/24 12:40	09/14/24 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/14/24 12:40	09/14/24 16:26	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/14/24 12:40	09/14/24 16:26	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/14/24 16:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8		mg/Kg			09/16/24 13:08	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 13:08	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 13:08	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 13:08	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	80		70 - 130				09/13/24 15:55	09/16/24 13:08	1	
o-Terphenyl	87		70 - 130				09/13/24 15:55	09/16/24 13:08	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	7.91		4.98		mg/Kg			09/14/24 11:32	1	

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-48435-5

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:40	09/14/24 16:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:40	09/14/24 16:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:40	09/14/24 16:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/24 12:40	09/14/24 16:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:40	09/14/24 16:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/24 12:40	09/14/24 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/14/24 12:40	09/14/24 16:47	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/14/24 12:40	09/14/24 16:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/14/24 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/16/24 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/13/24 15:55	09/16/24 13:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/13/24 15:55	09/16/24 13:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/13/24 15:55	09/16/24 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	09/13/24 15:55	09/16/24 13:23	1
o-Terphenyl	87		70 - 130	09/13/24 15:55	09/16/24 13:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.8		5.05		mg/Kg			09/14/24 11:52	1

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-48435-6

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 17:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 17:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 17:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/14/24 12:40	09/14/24 17:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 17:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/24 12:40	09/14/24 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/14/24 12:40	09/14/24 17:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/14/24 12:40	09/14/24 17:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-48435-6

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/14/24 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 13:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 13:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				09/13/24 15:55	09/16/24 13:38	1
o-Terphenyl	90		70 - 130				09/13/24 15:55	09/16/24 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.9		4.98		mg/Kg			09/14/24 11:58	1

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-48435-7

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 17:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 17:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 17:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/14/24 12:40	09/14/24 17:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/24 12:40	09/14/24 17:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/14/24 12:40	09/14/24 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/14/24 12:40	09/14/24 17:28	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/14/24 12:40	09/14/24 17:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/14/24 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/16/24 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/24 15:55	09/16/24 13:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/24 15:55	09/16/24 13:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/24 15:55	09/16/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/13/24 15:55	09/16/24 13:53	1
o-Terphenyl	89		70 - 130				09/13/24 15:55	09/16/24 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.2		5.04		mg/Kg			09/14/24 12:17	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48435-1	CS-1 (1')	106	102
880-48435-1 MS	CS-1 (1')	103	99
880-48435-1 MSD	CS-1 (1')	101	100
880-48435-2	CS-2 (1')	107	100
880-48435-3	CS-3 (1')	102	100
880-48435-4	SW-1 (1')	105	102
880-48435-5	SW-2 (1')	103	101
880-48435-6	SW-3 (1')	107	101
880-48435-7	SW-4 (1')	106	103
LCS 880-90771/1-A	Lab Control Sample	99	98
LCSD 880-90771/2-A	Lab Control Sample Dup	101	97
MB 880-90771/5-A	Method Blank	100	97
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)
880-48403-A-13-C MS	Matrix Spike	90	88
880-48403-A-13-D MSD	Matrix Spike Duplicate	90	87
880-48435-1	CS-1 (1')	74	81
880-48435-2	CS-2 (1')	81	94
880-48435-2 MS	CS-2 (1')	93	88
880-48435-2 MSD	CS-2 (1')	94	88
880-48435-3	CS-3 (1')	85	92
880-48435-4	SW-1 (1')	80	87
880-48435-5	SW-2 (1')	82	87
880-48435-6	SW-3 (1')	84	90
880-48435-7	SW-4 (1')	82	89
LCS 880-90723/2-A	Lab Control Sample	120	118
LCS 880-90745/2-A	Lab Control Sample	127	121
LCSD 880-90723/3-A	Lab Control Sample Dup	117	115
LCSD 880-90745/3-A	Lab Control Sample Dup	122	113
MB 880-90723/1-A	Method Blank	61 S1-	67 S1-
MB 880-90745/1-A	Method Blank	92	104
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90771/5-A

Matrix: Solid

Analysis Batch: 90768

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 15:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 15:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 15:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:40	09/14/24 15:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:40	09/14/24 15:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/24 12:40	09/14/24 15:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	09/14/24 12:40	09/14/24 15:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/14/24 12:40	09/14/24 15:03	1

Lab Sample ID: LCS 880-90771/1-A

Matrix: Solid

Analysis Batch: 90768

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08923		mg/Kg		89	70 - 130
Toluene	0.100	0.08508		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08577		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1804		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09095		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-90771/2-A

Matrix: Solid

Analysis Batch: 90768

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08379		mg/Kg		84	70 - 130	6	35
Toluene	0.100	0.08029		mg/Kg		80	70 - 130	6	35
Ethylbenzene	0.100	0.08059		mg/Kg		81	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1694		mg/Kg		85	70 - 130	6	35
o-Xylene	0.100	0.08580		mg/Kg		86	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-48435-1 MS

Matrix: Solid

Analysis Batch: 90768

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 90771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.08985		mg/Kg		89	70 - 130
Toluene	<0.00198	U	0.101	0.08415		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-48435-1 MS
Matrix: Solid
Analysis Batch: 90768

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 90771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.101	0.08214		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1724		mg/Kg		86	70 - 130
o-Xylene	<0.00198	U	0.101	0.08680		mg/Kg		86	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: 880-48435-1 MSD
Matrix: Solid
Analysis Batch: 90768

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 90771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.09225		mg/Kg		92	70 - 130	3	35
Toluene	<0.00198	U	0.0998	0.08664		mg/Kg		87	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.0998	0.08493		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1788		mg/Kg		90	70 - 130	4	35
o-Xylene	<0.00198	U	0.0998	0.09016		mg/Kg		90	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

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

Lab Sample ID: MB 880-90723/1-A
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	61	S1-	70 - 130						
o-Terphenyl	67	S1-	70 - 130						

Lab Sample ID: LCS 880-90723/2-A
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	982.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	990.5		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-90723/2-A

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90723

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-90723/3-A

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	989.9		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	966.1		mg/Kg		97	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-48403-A-13-C MS

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	712.9		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	54.1		994	762.8		mg/Kg		71	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-48403-A-13-D MSD

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	717.0		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	54.1		994	759.8		mg/Kg		71	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	87		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-90745/1-A
Matrix: Solid
Analysis Batch: 90827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 09:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 09:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	09/13/24 15:55	09/16/24 09:52	1
o-Terphenyl	104		70 - 130	09/13/24 15:55	09/16/24 09:52	1

Lab Sample ID: LCS 880-90745/2-A
Matrix: Solid
Analysis Batch: 90827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.1		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	978.5		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-90745/3-A
Matrix: Solid
Analysis Batch: 90827

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90745

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	910.6		mg/Kg		91	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	923.8		mg/Kg		92	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-48435-2 MS
Matrix: Solid
Analysis Batch: 90827

Client Sample ID: CS-2 (1')
Prep Type: Total/NA
Prep Batch: 90745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	780.0		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	792.7		mg/Kg		79	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-48435-2 MS

Matrix: Solid

Analysis Batch: 90827

Client Sample ID: CS-2 (1')

Prep Type: Total/NA

Prep Batch: 90745

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-48435-2 MSD

Matrix: Solid

Analysis Batch: 90827

Client Sample ID: CS-2 (1')

Prep Type: Total/NA

Prep Batch: 90745

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	802.4		mg/Kg		80	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	790.8		mg/Kg		79	70 - 130	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90740/1-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			09/14/24 09:42	1	

Lab Sample ID: LCS 880-90740/2-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	225.2		mg/Kg		90	90 - 110		

Lab Sample ID: LCSD 880-90740/3-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	225.6		mg/Kg		90	90 - 110	0	20	

Lab Sample ID: 880-48435-4 MS

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: SW-1 (1')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	7.91		249	243.6		mg/Kg		95	90 - 110	

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-48435-4 MSD					Client Sample ID: SW-1 (1')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 90754												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	7.91		249	244.1		mg/Kg		95	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 90768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Total/NA	Solid	8021B	90771
880-48435-2	CS-2 (1')	Total/NA	Solid	8021B	90771
880-48435-3	CS-3 (1')	Total/NA	Solid	8021B	90771
880-48435-4	SW-1 (1')	Total/NA	Solid	8021B	90771
880-48435-5	SW-2 (1')	Total/NA	Solid	8021B	90771
880-48435-6	SW-3 (1')	Total/NA	Solid	8021B	90771
880-48435-7	SW-4 (1')	Total/NA	Solid	8021B	90771
MB 880-90771/5-A	Method Blank	Total/NA	Solid	8021B	90771
LCS 880-90771/1-A	Lab Control Sample	Total/NA	Solid	8021B	90771
LCSD 880-90771/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90771
880-48435-1 MS	CS-1 (1')	Total/NA	Solid	8021B	90771
880-48435-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	90771

Prep Batch: 90771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Total/NA	Solid	5035	
880-48435-2	CS-2 (1')	Total/NA	Solid	5035	
880-48435-3	CS-3 (1')	Total/NA	Solid	5035	
880-48435-4	SW-1 (1')	Total/NA	Solid	5035	
880-48435-5	SW-2 (1')	Total/NA	Solid	5035	
880-48435-6	SW-3 (1')	Total/NA	Solid	5035	
880-48435-7	SW-4 (1')	Total/NA	Solid	5035	
MB 880-90771/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90771/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90771/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48435-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-48435-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Analysis Batch: 90881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-48435-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-48435-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-48435-4	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-48435-5	SW-2 (1')	Total/NA	Solid	Total BTEX	
880-48435-6	SW-3 (1')	Total/NA	Solid	Total BTEX	
880-48435-7	SW-4 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 90745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-48435-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-48435-4	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-48435-5	SW-2 (1')	Total/NA	Solid	8015NM Prep	
880-48435-6	SW-3 (1')	Total/NA	Solid	8015NM Prep	
880-48435-7	SW-4 (1')	Total/NA	Solid	8015NM Prep	
MB 880-90745/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90745/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90745/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48435-2 MS	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-48435-2 MSD	CS-2 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-2	CS-2 (1')	Total/NA	Solid	8015B NM	90745
880-48435-3	CS-3 (1')	Total/NA	Solid	8015B NM	90745
880-48435-4	SW-1 (1')	Total/NA	Solid	8015B NM	90745
880-48435-5	SW-2 (1')	Total/NA	Solid	8015B NM	90745
880-48435-6	SW-3 (1')	Total/NA	Solid	8015B NM	90745
880-48435-7	SW-4 (1')	Total/NA	Solid	8015B NM	90745
MB 880-90745/1-A	Method Blank	Total/NA	Solid	8015B NM	90745
LCS 880-90745/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90745
LCSD 880-90745/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90745
880-48435-2 MS	CS-2 (1')	Total/NA	Solid	8015B NM	90745
880-48435-2 MSD	CS-2 (1')	Total/NA	Solid	8015B NM	90745

Analysis Batch: 90830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Total/NA	Solid	8015B NM	90723
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015B NM	90723
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90723
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90723
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015B NM	90723
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90723

Analysis Batch: 90890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-48435-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-48435-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-48435-4	SW-1 (1')	Total/NA	Solid	8015 NM	
880-48435-5	SW-2 (1')	Total/NA	Solid	8015 NM	
880-48435-6	SW-3 (1')	Total/NA	Solid	8015 NM	
880-48435-7	SW-4 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 90740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-48435-2	CS-2 (1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 90740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-3	CS-3 (1')	Soluble	Solid	DI Leach	
880-48435-4	SW-1 (1')	Soluble	Solid	DI Leach	
880-48435-5	SW-2 (1')	Soluble	Solid	DI Leach	
880-48435-6	SW-3 (1')	Soluble	Solid	DI Leach	
880-48435-7	SW-4 (1')	Soluble	Solid	DI Leach	
MB 880-90740/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48435-4 MS	SW-1 (1')	Soluble	Solid	DI Leach	
880-48435-4 MSD	SW-1 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 90754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48435-1	CS-1 (1')	Soluble	Solid	300.0	90740
880-48435-2	CS-2 (1')	Soluble	Solid	300.0	90740
880-48435-3	CS-3 (1')	Soluble	Solid	300.0	90740
880-48435-4	SW-1 (1')	Soluble	Solid	300.0	90740
880-48435-5	SW-2 (1')	Soluble	Solid	300.0	90740
880-48435-6	SW-3 (1')	Soluble	Solid	300.0	90740
880-48435-7	SW-4 (1')	Soluble	Solid	300.0	90740
MB 880-90740/1-A	Method Blank	Soluble	Solid	300.0	90740
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	300.0	90740
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90740
880-48435-4 MS	SW-1 (1')	Soluble	Solid	300.0	90740
880-48435-4 MSD	SW-1 (1')	Soluble	Solid	300.0	90740

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-48435-1

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 15:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 15:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			90890	09/16/24 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	90723	09/13/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90830	09/16/24 15:39	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 11:13	CH	EET MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-48435-2

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 15:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			90890	09/16/24 12:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90745	09/13/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90827	09/16/24 12:06	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 11:19	CH	EET MID

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-48435-3

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 16:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			90890	09/16/24 12:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90745	09/13/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90827	09/16/24 12:53	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 11:26	CH	EET MID

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-48435-4

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 16:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			90890	09/16/24 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	90745	09/13/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90827	09/16/24 13:08	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 11:32	CH	EET MID

Client Sample ID: SW-2 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 16:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 16:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			90890	09/16/24 13:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	90745	09/13/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90827	09/16/24 13:23	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 11:52	CH	EET MID

Client Sample ID: SW-3 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			90890	09/16/24 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90745	09/13/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90827	09/16/24 13:38	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 11:58	CH	EET MID

Client Sample ID: SW-4 (1')
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	90771	09/14/24 12:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90768	09/14/24 17:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90881	09/14/24 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			90890	09/16/24 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90745	09/13/24 15:55	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90827	09/16/24 13:53	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (1')

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 12:17	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48435-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48435-1	CS-1 (1')	Solid	09/12/24 00:00	09/13/24 15:01
880-48435-2	CS-2 (1')	Solid	09/12/24 00:00	09/13/24 15:01
880-48435-3	CS-3 (1')	Solid	09/12/24 00:00	09/13/24 15:01
880-48435-4	SW-1 (1')	Solid	09/12/24 00:00	09/13/24 15:01
880-48435-5	SW-2 (1')	Solid	09/12/24 00:00	09/13/24 15:01
880-48435-6	SW-3 (1')	Solid	09/12/24 00:00	09/13/24 15:01
880-48435-7	SW-4 (1')	Solid	09/12/24 00:00	09/13/24 15:01

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Chain of Custody



380-48435 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mc@carmonaresources.com

Work Order Comments	
Program: <input type="checkbox"/> PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Com m...</i>	09/13/24 (50)	<i>[Signature]</i>	

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48435-1
SDG Number: Lea County, New Mexico

Login Number: 48435

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/16/2024 5:24:57 PM

JOB DESCRIPTION

Osprey 2 State Com 3H Flare Fire
Lea County, New Mexico

JOB NUMBER

880-48426-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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9/16/2024 5:24:57 PM

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

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Laboratory Job ID: 880-48426-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

Case Narrative

Client: Carmona Resources
Project: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1

Job ID: 880-48426-1

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Job Narrative 880-48426-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 9/13/2024 3:01 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: Merchant Livestock Pit (880-48426-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-90772 and analytical batch 880-90765 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90770 and 880-90772 and analytical batch 880-90765 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-90765 recovered below the lower control limit for o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-90765/33).

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-90723 and analytical batch 880-90830 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: Merchant Livestock Pit (880-48426-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-90830 exhibited % difference of > 20% for the following analyte(s) 1-Chlorooctane. These results are within the acceptance limits but exceed the performance criteria.

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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Client Sample ID: Merchant Livestock Pit

Lab Sample ID: 880-48426-1

Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:46	09/15/24 10:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:46	09/15/24 10:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:46	09/15/24 10:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/24 12:46	09/15/24 10:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/24 12:46	09/15/24 10:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/24 12:46	09/15/24 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	09/14/24 12:46	09/15/24 10:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/14/24 12:46	09/15/24 10:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/15/24 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/16/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	09/13/24 11:28	09/16/24 12:53	1
o-Terphenyl	73		70 - 130	09/13/24 11:28	09/16/24 12:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.2		4.96		mg/Kg			09/14/24 12:43	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-48426-1	Merchant Livestock Pit	120	103
880-48437-A-1-D MS	Matrix Spike	98	95
880-48437-A-1-E MSD	Matrix Spike Duplicate	114	94
LCS 880-90772/1-A	Lab Control Sample	119	95
LCSD 880-90772/2-A	Lab Control Sample Dup	113	92
MB 880-90770/5-A	Method Blank	166 S1+	110
MB 880-90772/5-A	Method Blank	228 S1+	137 S1+
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)
880-48403-A-13-C MS	Matrix Spike	90	88
880-48403-A-13-D MSD	Matrix Spike Duplicate	90	87
880-48426-1	Merchant Livestock Pit	67 S1-	73
LCS 880-90723/2-A	Lab Control Sample	120	118
LCSD 880-90723/3-A	Lab Control Sample Dup	117	115
MB 880-90723/1-A	Method Blank	61 S1-	67 S1-
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90770/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90770		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/24 12:21	09/14/24 15:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130				09/14/24 12:21	09/14/24 15:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/14/24 12:21	09/14/24 15:36	1

Lab Sample ID: MB 880-90772/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/24 12:46	09/15/24 03:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	228	S1+	70 - 130				09/14/24 12:46	09/15/24 03:12	1
1,4-Difluorobenzene (Surr)	137	S1+	70 - 130				09/14/24 12:46	09/15/24 03:12	1

Lab Sample ID: LCS 880-90772/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.09200		mg/Kg		92	70 - 130		
Toluene	0.100	0.08925		mg/Kg		89	70 - 130		
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		102	70 - 130		
o-Xylene	0.100	0.08913		mg/Kg		89	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	119		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: LCSD 880-90772/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 90765							Prep Batch: 90772		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09002		mg/Kg		90	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-90772/2-A

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90772

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.08854		mg/Kg		89	70 - 130		1	35
Ethylbenzene	0.100	0.1053		mg/Kg		105	70 - 130		0	35
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130		5	35
o-Xylene	0.100	0.09009		mg/Kg		90	70 - 130		1	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-48437-A-1-D MS

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00198	U	0.101	0.07620		mg/Kg		76	70 - 130	
Toluene	<0.00198	U	0.101	0.07214		mg/Kg		72	70 - 130	
Ethylbenzene	<0.00198	U	0.101	0.07232		mg/Kg		72	70 - 130	
m-Xylene & p-Xylene	<0.00396	U F1	0.202	0.1293	F1	mg/Kg		64	70 - 130	
o-Xylene	<0.00198	U F1	0.101	0.06060	F1	mg/Kg		60	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-48437-A-1-E MSD

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00198	U	0.0998	0.08179		mg/Kg		82	70 - 130		7	35
Toluene	<0.00198	U	0.0998	0.07570		mg/Kg		76	70 - 130		5	35
Ethylbenzene	<0.00198	U	0.0998	0.08515		mg/Kg		85	70 - 130		16	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1691		mg/Kg		85	70 - 130		27	35
o-Xylene	<0.00198	U F1	0.0998	0.07682		mg/Kg		77	70 - 130		24	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-90723/1-A

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90723

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-90723/1-A
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 90723

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/24 11:28	09/16/24 09:52	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	61	S1-	70 - 130				09/13/24 11:28	09/16/24 09:52	1
o-Terphenyl	67	S1-	70 - 130				09/13/24 11:28	09/16/24 09:52	1

Lab Sample ID: LCS 880-90723/2-A
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 90723

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	982.7		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	990.5		mg/Kg		99	70 - 130		
Surrogate		LCS	LCS				Limits		
		%Recovery	Qualifier						
1-Chlorooctane		120					70 - 130		
o-Terphenyl		118					70 - 130		

Lab Sample ID: LCSD 880-90723/3-A
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 90723

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	989.9		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	966.1		mg/Kg		97	70 - 130	2	20
Surrogate		LCSD	LCSD				Limits		
		%Recovery	Qualifier						
1-Chlorooctane		117					70 - 130		
o-Terphenyl		115					70 - 130		

Lab Sample ID: 880-48403-A-13-C MS
Matrix: Solid
Analysis Batch: 90830

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 90723

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	712.9		mg/Kg		72	70 - 130		
Diesel Range Organics (Over C10-C28)	54.1		994	762.8		mg/Kg		71	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	90		70 - 130								
o-Terphenyl	88		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-48403-A-13-D MSD

Matrix: Solid

Analysis Batch: 90830

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90723

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	994	717.0		mg/Kg	-	72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	54.1		994	759.8		mg/Kg		71	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	87		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90740/1-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			09/14/24 09:42	1

Lab Sample ID: LCS 880-90740/2-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	225.2		mg/Ka		90	90 - 110

Lab Sample ID: LCSD 880-90740/3-A

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCS	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
								Limits		Limit
Chloride	250		225.6		mg/Ka		90	90 - 110	0	20

Lab Sample ID: 880-48435-A-4-D MS

Matrix: Solid

Analysis Batch: 90754

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Chloride	7.91		249	243.6		mg/Ka		95	90 - 110		

Lab Sample ID: 880-48435-A-4-E MSD

Matrix: Solid

Analysis Batch: 90754

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 Limits
Chloride	7.91		249	244.1		mg/Kg		95	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 90765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Total/NA	Solid	8021B	90772
MB 880-90770/5-A	Method Blank	Total/NA	Solid	8021B	90770
MB 880-90772/5-A	Method Blank	Total/NA	Solid	8021B	90772
LCS 880-90772/1-A	Lab Control Sample	Total/NA	Solid	8021B	90772
LCSD 880-90772/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90772
880-48437-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	90772
880-48437-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	90772

Prep Batch: 90770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-90770/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 90772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Total/NA	Solid	5035	
MB 880-90772/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90772/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90772/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48437-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-48437-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 90823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Total/NA	Solid	8015NM Prep	
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Total/NA	Solid	8015B NM	90723
MB 880-90723/1-A	Method Blank	Total/NA	Solid	8015B NM	90723
LCS 880-90723/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90723
LCSD 880-90723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90723
880-48403-A-13-C MS	Matrix Spike	Total/NA	Solid	8015B NM	90723
880-48403-A-13-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90723

Analysis Batch: 90896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 90740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Soluble	Solid	DI Leach	
MB 880-90740/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48435-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-48435-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 90754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48426-1	Merchant Livestock Pit	Soluble	Solid	300.0	90740
MB 880-90740/1-A	Method Blank	Soluble	Solid	300.0	90740
LCS 880-90740/2-A	Lab Control Sample	Soluble	Solid	300.0	90740
LCSD 880-90740/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90740
880-48435-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	90740
880-48435-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	90740

Lab Chronicle

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Client Sample ID: Merchant Livestock Pit
Date Collected: 09/12/24 00:00
Date Received: 09/13/24 15:01

Lab Sample ID: 880-48426-1
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			5.02 g	5 mL	90772	09/14/24 12:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90765	09/15/24 10:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90823	09/15/24 10:58	MNR	EET MID
Total/NA	Analysis	8015 NM		1			90896	09/16/24 12:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	90723	09/13/24 11:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90830	09/16/24 12:53	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	90740	09/13/24 15:35	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90754	09/14/24 12:43	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

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

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

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

Sample Summary

Client: Carmona Resources
Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-48426-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48426-1	Merchant Livestock Pit	Solid	09/12/24 00:00	09/13/24 15:01

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

Chain of Custody



880-48426 Chain of Custody

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADAPT ☐ Other:

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Handwritten Signature]</i>	9/13/20 1301	<i>[Handwritten Signature]</i>	

- 1
- 2
- 3
- 4
- 5
- 6
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- 9
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- 12
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- 14

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48426-1
SDG Number: Lea County, New Mexico

Login Number: 48426
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

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Santa Fe, NM 87505

QUESTIONS

Action 391771

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	391771
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2423454602
Incident Name	NAPP2423454602 OSPREY 20 STATE COM 3H @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2203831166] Osprey 20 St Com 3H - Rt Btty

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Osprey 20 State Com 3H
Date Release Discovered	08/21/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 391771

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	391771
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Emergency services were not notified. Release was confined to the well pad. Facility has been cleared by safety personnel.

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/22/2024
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QUESTIONS, Page 3

Action 391771

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	391771
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	58.2
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3020
GRO+DRO (EPA SW-846 Method 8015M)	3020
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

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

On what estimated date will the remediation commence	09/12/2024
On what date will (or did) the final sampling or liner inspection occur	09/19/2024
On what date will (or was) the remediation complete(d)	09/19/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	384
What is the estimated volume (in cubic yards) that will be remediated	25

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

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

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QUESTIONS, Page 4

Action 391771

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	391771
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 10/10/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 391771

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 391771
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 391771

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	391771
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	382210
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	461

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	384
What was the total volume (cubic yards) remediated	25
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	na

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 10/10/2024
--	---

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

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Action 391771

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 391771
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 391771

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/21/2024