

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

> 310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992



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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.

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



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

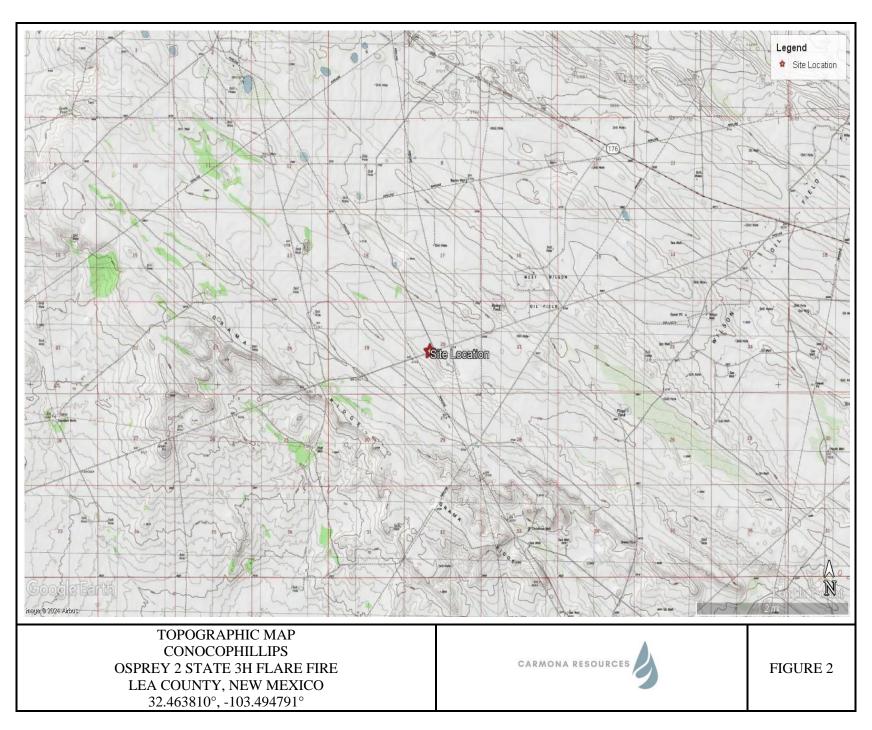
CARMONA RESOURCES

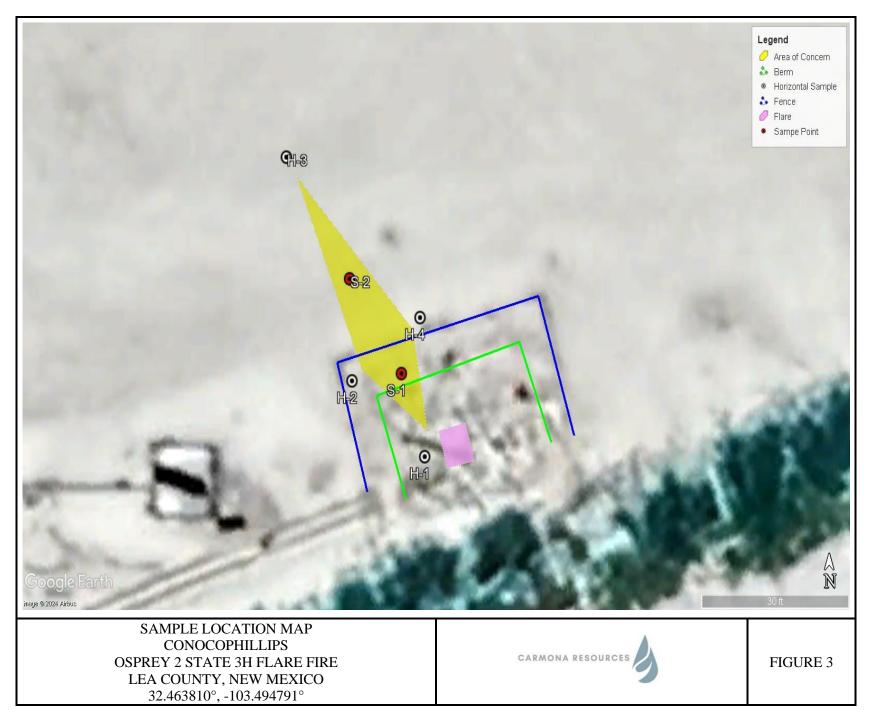


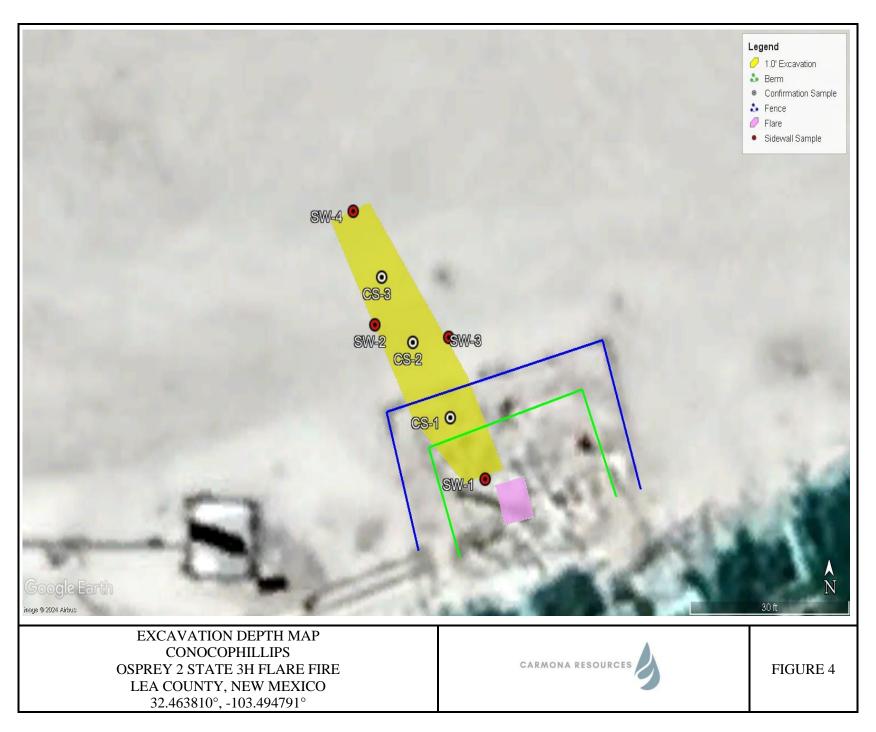
OVERVIEW MAP CONOCOPHILLIPS OSPREY 2 STATE 3H FLARE FIRE LEA COUNTY, NEW MEXICO 32.463810°, -103.494791°

CARMONA RESOURCES

FIGURE 1







APPENDIX A

CARMONA RESOURCES

Table 1 **Conoco Phillips** Osprey 2 State 3H Flare Fire Lea County, New Mexico

Commission	Data	D(l- (6)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
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
3-1	"	6.0"	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.7
	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
S-2	"	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
Regulato	ry 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

0	D-1-	Davids (61)		TPH	(mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
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
Regulator	ry 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

Released to Imaging: 10/21/2024 1:18:53 PM

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

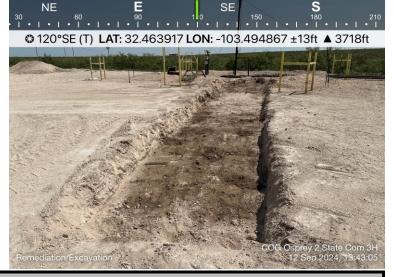
Facility: Osprey 2 State Com 3H Flare Fire

(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

<u>District I</u> 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

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

QUESTIONS

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

QUESTIONS, Page 2

Action 376258

QUESTIONS	(continued)

Operator:	OGRID:		
COG OPERATING LLC	229137		
600 W Illinois Ave	Action Number:		
Midland, TX 79701	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 s	afety 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 376258

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	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.
V	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.
V	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.
V	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.
V	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 376258

CONDITIONS

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

CONDITIONS

Created By		Condition Date
jlaird	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	on Recommendation		
Received by OCD:	10/10/20	24/2053	436PM	0-10#					Total Estimated	Page 20 of 136
Convert Irregular shape	Longth	Midth	Average	On/Off Pad	Soil Spilled-Fluid	Estimated volume of each	Total Estimated		Contaminated	Current Rule of Thumb -
into a series of	Length (ft.)	(ft.)	Depth	(dropdow	Saturation	area	Volume of Spill		Soil,	RMR Handover Volume,
rectangles	(ic)	(ir)	(in.)		(%.)	(bbl.)	(bbl.)		uncompacted,	(yd ³ .)
				n)					25% (yd ³ .)	
Rectangle A	12.0	6.0	0.1	On-Pad∨	10.50%	0.11	0.01		0.03	(I)
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	750
Rectangle F) (Į.	~		0.00			0.00	750
Rectangle G				~		0.00			0.00	1
Rectangle H				~		0.00			0.00	<u>.</u>
Rectangle I		18	2.	~		0.00			0.00	

0.0491

0.00

0.12

BU

0.00

Total Subsurface Volume Released:

V

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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**

QUESTIONS

Action 382210

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 382210

CONDITIONS

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

CONDITIONS

Created	Condition	Condition
Ву		Date
jlaird	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

Received by OCD: 10/10/2024 2:53:36 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

	Page 23 of 130
Incident ID	
District RP	
Facility ID	
Application ID	

Closure

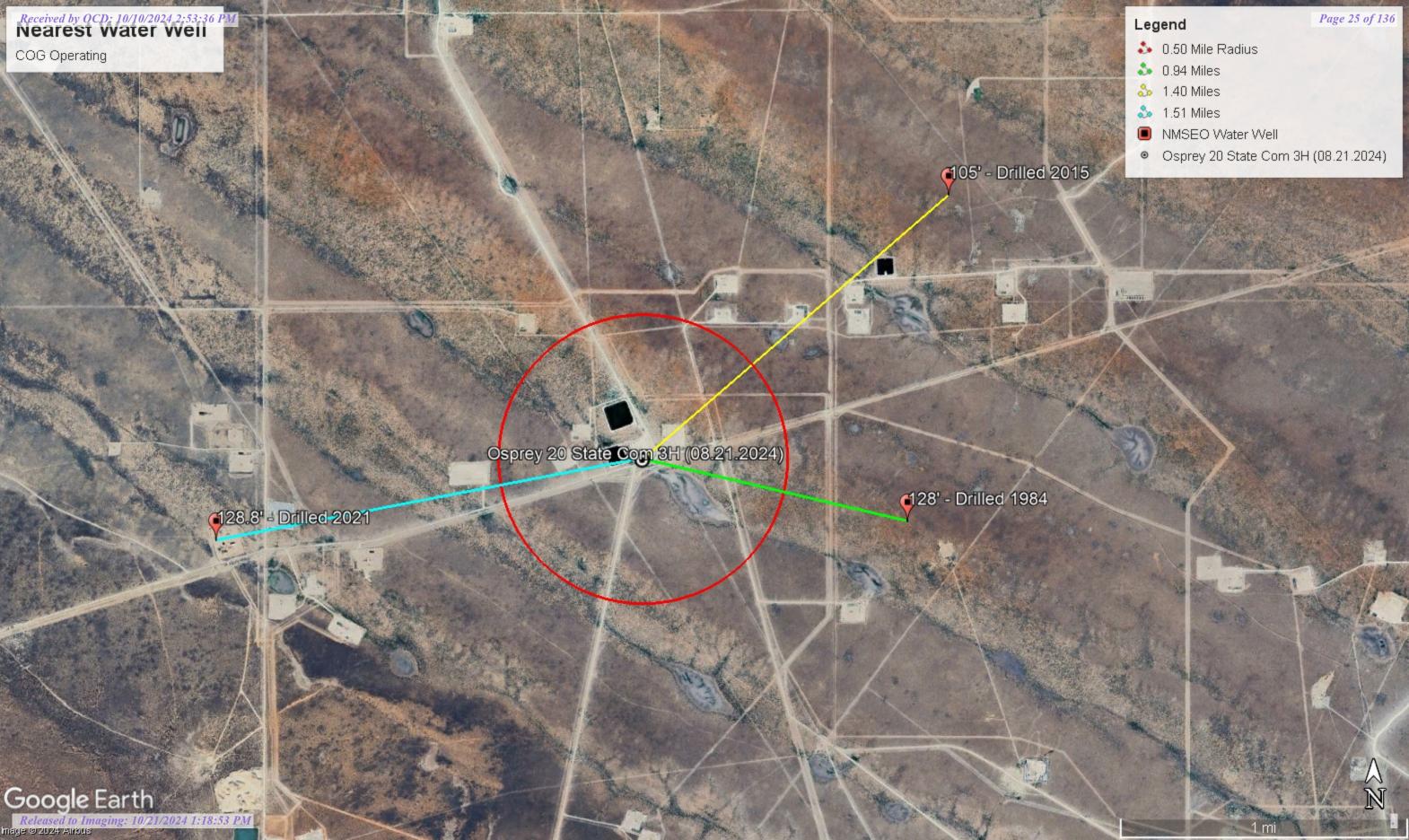
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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.

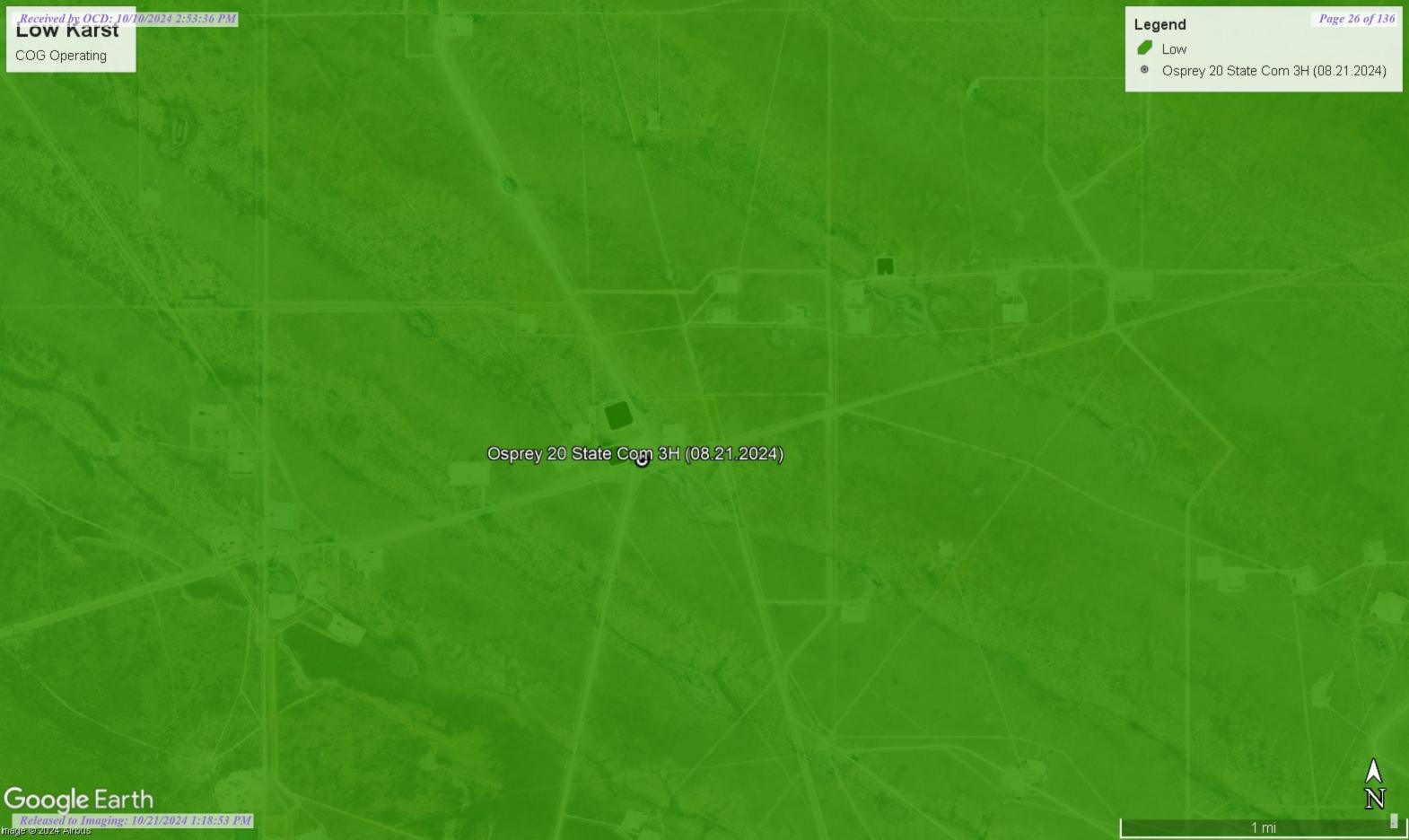
Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

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										
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nditions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.									
Signature:	Date:									
email:	Telephone:									
OCD Only										
OCD Only Received by:	Date:									
Received by: Closure approval by the OCD does not relieve the responsible party	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible									
Received by: Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.									

APPENDIX D

CARMONA RESOURCES







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	Мар	Distance	Well Depth		Water Column
<u>CP 00583</u>		СР	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
<u>CP 01067 POD1</u>		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
<u>CP 01671 POD1</u>		CP	LE	NE	SE	NW	16	21S	34E	643108.4	3594887.3	•	2623	157		
<u>CP 00571 POD1</u>		CP	LE	SW	NW	SE	28	21S	34E	643499.0	3591063.0	•	2703	170	135	35
<u>CP 01066 POD1</u>		CP	LE	SE	SW	NE	28	21S	34E	643735.0	3591345.0		2720	210	140	70
<u>CP 01069 POD1</u>		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
<u>CP 00600 POD1</u>		CP	LE		NE	SE	25	21S	33E	639152.0	3591054.0 *	•	2923	65		
<u>CP 00498</u>		CP	LE		NE	SE	80	21S	34E	642287.0	3595932.0 *	•	3196	145	120	25
<u>CP 00765 POD1</u>		CP	LE		SW	NE	13	21S	33E	638698.0	3594668.0 *	•	3313	508		
<u>CP 00766 POD1</u>		CP	LE		SW	NE	13	21S	33E	638698.0	3594668.0 *	•	3313	510		
<u>CP 00588 POD1</u>		CP	LE		SW	NE	33	21S	34E	643583.0	3589918.0 *	•	3611	89		
<u>CP 00589 POD1</u>		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	Υ	Мар
	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, MU	RRELL			
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:

Тор	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	Α	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2000-07-31	2000	25783.000	Α	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, or suitability for any particular purpose of the data.

8/23/24 10:00 AM MST Point of Diversion Summary

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us



- 705 - 111 26 - 111 Pt P7

										,
	1		LL NUMBER)				OSE FILE NU	MBER(S)		
O	1	Baron No								
AT.		ER NAME(S)					PHONE (OPT	·		
Ö	Merchan	ts/Glenn'	's Water Well Ser	vice, Inc.			575-398-2	2424		
TT		ER MAILING	ADDRESS				CITY		STATE	ZIP
VEL	P.O. Box	692	. *				Tatum		NM 8826	57
D Q			DEGREE	S MINUTES	SECOND	ŝ	<u> </u>			
AN	LOCATIO		32	28	37.2	N	* ACCURAC	Y REQUIRED: ONE TEN	TH OF A SECOND	
KA I.	(FROM G	DATE	TTUDE	20	25.0	. W	4	QUIRED: WGS 84		
GENERAL AND WELL LOCATION			NGITUDE 103	28	35.9				··· _	
GE	DESCRIPTIO	N RELATING W	VELL LOCATION TO STREE	T ADDRESS AND COMMON	LANDMARKS - PLS	S (SECTION, T	OWNSHJIP, RANG	GE) WHERE AVAILABLE		
	SE1/4NE	1/4SW1/4	Section 16, Tow	nship 21 South, R	ange 34 East	on Merch	ants Livest	ock Land		
-	LICENSE NU	0.7676	NAME OF LICENSED	DDULED				NAME OF WELL DR	II I INC COMPANY	····
	WD 421	MIDEK	Corky Glenn	DRILLER				1	Well Service, Inc.	
		m + pmep	'	DEPELL OF GOLDS SHEE		T 2022 (10)	LE DEDOVE (DO)		-	
İ	DRILLING S 06/24/15		DRILLING ENDED 06/24/15	DEPTH OF COMPLETED 165'	WELL (FI)	165'	LE DEPTH (FT)	105'	ST ENCOUNTERED (FT))
	00,21,13					103				
	COMPLETE:	DWELLIE.	ARTESIAN	C DRY HOLE	SHALLOW (INC	OMEINED		105'	VEL IN COMPLETED WI	ELL (FT)
NO	COMPLETE	D WELL 13.	y ARTESIAN	DRI HOLE	SHALLOW (DINCE	JINFINED)		103		
\T.	DRILLING F	LUID:	C AIR	● MUD	ADDITIVES - SPE	ECIFY:				
RM.	DRILLING N	METHOD:	ROTARY	C HAMMER C	CABLE TOOL	OTHE	R - SPECIFY:			
Į.	DEPTH (feet bgl)			CASING MATERIAL AND/OR				C. CYLC		
NA CO	FROM	TO	BORE HOLE DIAM	GRAD			ASING VECTION	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE
Ž	1 1000		(inches)	(include each casi			YPE	(inches)	(inches)	(inches)
2. DRILLING & CASING INFORMATION	0.	221	<u> </u>	note sections	of screen)	ļ.;		ļ`·-		<u> </u>
3	0'	22'	16"	Steel		None		10 3/4"	.188	ļ. <u></u>
Ĭ	0'	165'	16"	Steel	f +l \	Weld		8 5/8"	.188	-
				(Bottom 90 feet	periorated)	 	 			ļ
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7							· · ·			
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	DEPTH	(feet bgl)	BORE HOLE	LIST ANN	ULAR SEAL MA	ATERIAL A	AND	AMOUNT	метно	
Ψ	FROM	TO	DIAM. (inches)	GRAVEL PA	CK SIZE-RANG	E BY INTE	RVAL	(cubic feet)	PLACEN	MENT
ERI	0'	22'	16"	Cemented				Fill to Top	Top Pour	
ANNULAR MATERIAL	0'	165'	16"	3/8 Veilmore Gr	avel			17.4 CY	Top Pour	····
Z Z									<u> </u>	
Ţ			 							
INE								-		
3.	-				· · · · · · · · · · · · · · · · · · ·					
		<u></u> .						<u> </u>		
	OSE INTER		10.71						& LOG (Version 06/0	8/2012)
	NUMBER	CP-	1364		POD NUMBER	<u> </u>	TRN	NUMBER 55	0366	
LOC	ATION 7	75	345	17	47 1				PAGE	1 OF 2

	DEPTH (feet hal)	T			ESTIMATED
	DEF III (.	reet ogt)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED		YIELD FOR
	FROM	то	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE Z		***************************************
	FROM	10	(====,	(attach supplemental sheets to fully describe all units)	(YES/NO	ZONES (gpm)
	0	3	3	Soil	C Y 6	
	3	21	18	Caliche	CYG	N
	21	35	14	Sand	C Y C	N
	35	58	23	Sand & Clay	CY @	N
	58	60	2	Rock	C Y 💽	N
ر	60	105	45	Sand	C Y @	N
4. HYDROGEOLOGIC LOG OF WELL	105	153	48	Water Sand	€ Y C	N
)F V	153	165	12	Red Clay		N
96					N / N/	N
CL						N
50						N
EOL						N
503						N
XD.			<u> </u>			N
4. H					(, (N
						N
						N
					CYC	N
						N
				· · · · · ·	(()	N
					<u> </u>	N
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA: PUMP	TOTAL ESTIMAT	
	C AIR LIF			OTHER - SPECIFY:	WELL YIELD (g	
	C. AIR LIF	l t . 1	DAILER (OTHER - SPECIF I.		
	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING		
VISION				ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN	OVER THE TESTING P	EKIOD.
RVIS	MISCELLA	NEOUS INF	ORMATION:			
UPE	0' to 165'	drilled wit	th mud.			
(G.S						
r, RJ						
TEST; RIG SUPER	PRINT NAM	ME(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL	CONSTRUCTION OTHE	ER THAN LICENSEE:
'n						
ᇤ				TES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WE		
SIGNATURE				00 DAYS AFTER COMPLETION OF WELL DRILLING:		
NA]	A	1	00			
SIG	1021	ly A	tem	CONKY 6-less	6/25/	15
6.	0	SIGNATI	URE OF DRILLE	R / PRINT SIGNEE NAME	DA	ATE
	R OSE INTER E NUMBER		7/11		WELL RECORD & LOGUMBER 5553	
LIL	L MODINDER	UT-1	364	- I OD NORDEK IKN N	2502	٥ 6

PAGE 2 OF 2

34E

LOCATION



Soil Boring/Temporary Monitor Well TMW-1

Company: Goodnight Midstream Permian, LLC

Site: Blueberry SWD

NMOCD Reference #: nRM2010753767

Location: Lea Co., NM

PLSS: U/L "P" (SE/SE), Sec. 24, T21S, R33E

Well/Borehole ID: TMW-1

Coordinates (NAD 83): 32.459725,-103.520119

Drilling Date: 9/15/2021
Depth of Boring (ft): 150
Depth to Groundwater (ft): 128.8

Plugging Date: 10/25/2021

Drilling Company: Scarborough Drilling, Inc.

Driller: L. Scarborough
Drilling Method: Air Rotary
Logged By: L. Scarborough
Drafted By: B. Arguijo
Draft Date: 10/29/2021

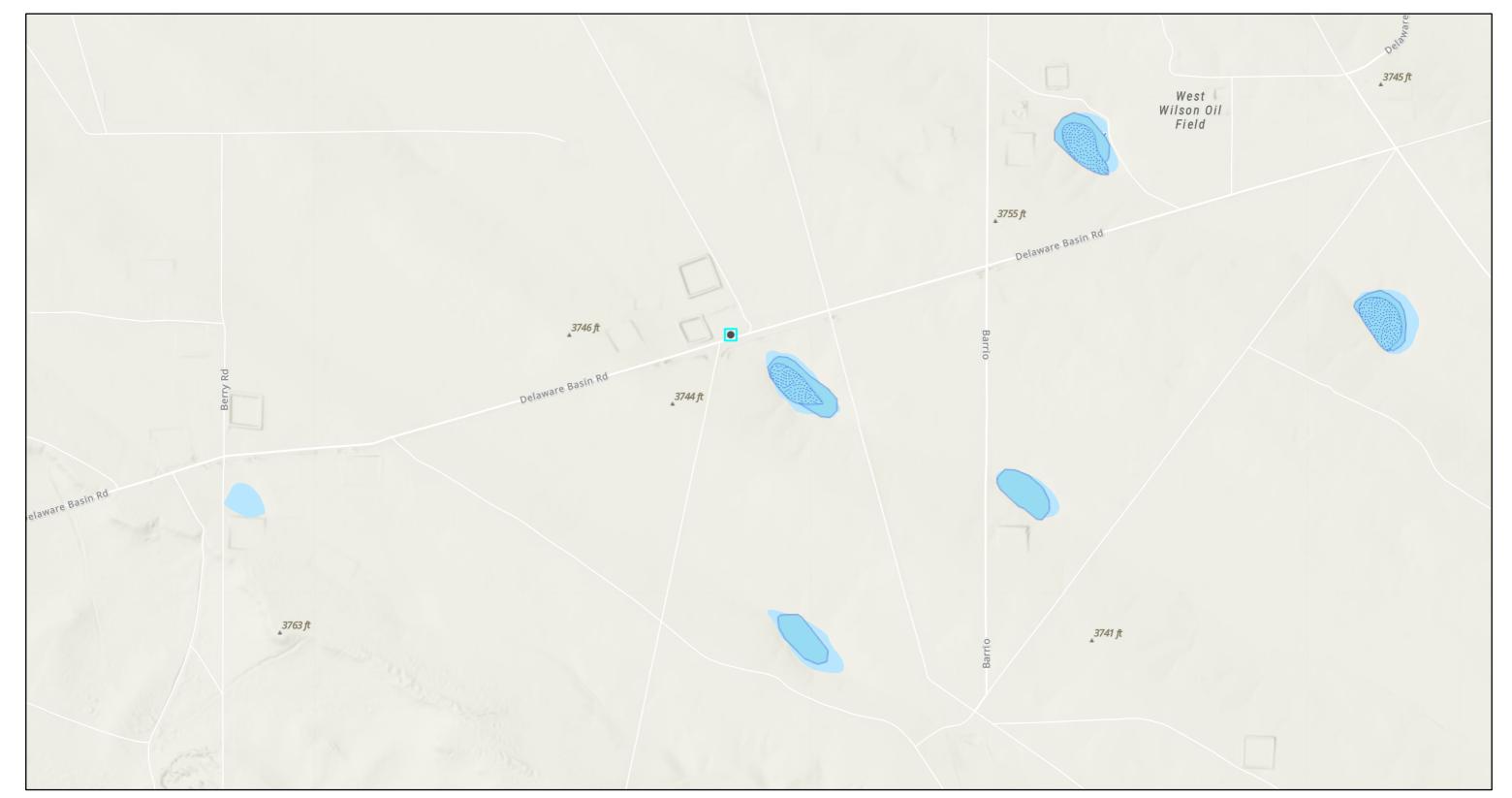
Casing: N/A Screen: N/A

Completion: N/A
Comments: N/A

Material Description Caliche Topsoil	Chloride Field Test			struction
Topsoil	ည် မို	Lab	PID	Well Construction
Caliche Caliche Sandy with rock ledges Sandy with rock ledges Solution				

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

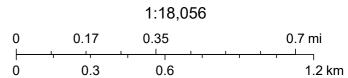
Osprey 20 State Com 3H (08.21.2024)



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

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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: Carmona Resources Project/Site: Osprey 2 State Com 3H Flare Fire Laboratory Job ID: 880-47789-1 SDG: Lea County, New Mexico

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QC Sample Results	12
QC Association Summary	16
Lab Chronicle	18
Certification Summary	20
Method Summary	21
Sample Summary	22
Chain of Custody	23
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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-47789-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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**

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Job ID: 880-47789-1

Case Narrative

Client: Carmona Resources

Project: Osprey 2 State Com 3H Flare Fire

Eurofins Midland Job ID: 880-47789-1

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

Page 5 of 24

8/29/2024

Case Narrative

Client: Carmona Resources

Project: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1 (Continued)

Eurofins Midland

Job ID: 880-47789-1

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

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Client: Carmona Resources

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

Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

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

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

Lab Sample ID: 880-47789-1

Matrix: Solid

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 - 1	Total BTEX Cald	culation							
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 - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2570		50.0		mg/Kg			08/29/24 00:06	
								08/29/24 00:06	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)					08/29/24 00:06	1
Method: SW846 8015B NM - Dies Analyte		nics (DRO) Qualifier	(GC)	MDL		D	Prepared	08/29/24 00:06 Analyzed	
		Qualifier		MDL		<u>D</u>	Prepared 08/27/24 14:55		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier	RL 50.0	MDL	Unit	<u>D</u>	08/27/24 14:55	Analyzed 08/29/24 00:06	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 2570	Qualifier U *+	RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55	Analyzed 08/29/24 00:06 08/29/24 00:06	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U *+	RL 50.0	MDL	Unit mg/Kg	<u> </u>	08/27/24 14:55	Analyzed 08/29/24 00:06	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 2570	Qualifier U *+	RL 50.0	MDL	Unit mg/Kg mg/Kg	<u> </u>	08/27/24 14:55 08/27/24 14:55	Analyzed 08/29/24 00:06 08/29/24 00:06	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <50.0 2570 <50.0	Qualifier U *+	FL 50.0 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55	Analyzed 08/29/24 00:06 08/29/24 00:06 08/29/24 00:06	Dil Fac

Client Sample ID: S-1 (6") Lab Sample ID: 880-47789-2 Date Collected: 08/26/24 00:00 **Matrix: Solid**

RL

5.01

MDL Unit

mg/Kg

D

Prepared

Analyzed

08/28/24 14:04

Dil Fac

Result Qualifier

38.7

Date Received: 08/27/24 16:20

Analyte

Chloride

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

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-47789-2

Client Sample ID: S-1 (6")

Date Collected: 08/26/24 00:00 Date Received: 08/27/24 16:20

08/28/24 14:25

Matrix: Solid

Job ID: 880-47789-1

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 - Diese	Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U *+	49.8		mg/Kg		08/27/24 14:55	08/29/24 00:21	1
C10-C28)									
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	Chromatogran	hv - Solubl	•						
MICHIOU. LEA JUU.U - AIIIUIIS, IUII	om omatograp	niy - Solubi	-						

Client Sample ID: S-2 (0-3") Lab Sample ID: 880-47789-3 Date Collected: 08/26/24 00:00 **Matrix: Solid**

4.95

mg/Kg

Date Received: 08/27/24 16:20

Released to Imaging: 10/21/2024 1:18:53 PM

Chloride

12.7

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)			70 - 130				08/28/24 09:33	08/28/24 17:02	
4.4.Differench annual (Occur)	99		70 ₋ 130				08/28/24 09:33	08/28/24 17:02	1
	- Total BTEX Cald			MDI	llait	ь			
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald	Qualifier	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/28/24 17:02	
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398		mg/Kg		Prepared	Analyzed 08/28/24 17:02	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00398 esel Range Organ Result 3020	Qualifier U ics (DRO) (Qualifier	RL 0.00398 GC) RL 49.8		mg/Kg		Prepared	Analyzed 08/28/24 17:02 Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00398 esel Range Organ Result 3020 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00398 GC) RL 49.8	MDL	mg/Kg		Prepared	Analyzed 08/28/24 17:02 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 esel Range Organ Result 3020 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier unics (DRO) Qualifier	RL 0.00398 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/28/24 17:02 Analyzed 08/29/24 00:36	Dil Fac

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-47789-3

Client Sample ID: S-2 (0-3") Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

Matrix: Solid

Job ID: 880-47789-1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ıed)					
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-Ternhenyl	148	S1+	70 130				08/27/24 14:55	08/29/24 00:36	1

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - Soluble	е						
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

Date Received: 08/27/24 16:20

Total BTEX

Matrix: Solid

08/28/24 17:22

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 08/28/24 09:33 08/28/24 17:22 mg/Kg Toluene <0.00202 U 0.00202 08/28/24 09:33 08/28/24 17:22 mg/Kg Ethylbenzene <0.00202 U 0.00202 08/28/24 09:33 08/28/24 17:22 mg/Kg m-Xylene & p-Xylene <0.00404 U 08/28/24 09:33 08/28/24 17:22 0.00404 mg/Kg o-Xylene 0.00369 0.00202 mg/Kg 08/28/24 09:33 08/28/24 17:22 Xylenes, Total <0.00404 U 0.00404 mg/Kg 08/28/24 09:33 08/28/24 17:22 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Total BT	EX Calculation						
1,4-Difluorobenzene (Surr)	96	70 - 130		0	8/28/24 09:33	08/28/24 17:22	1
4-Bromotiuoropenzene (Surr)	120	70 - 130		U	8/28/24 09:33	08/28/24 17:22	7

Method: SW846 8015 NM - Diesel I	Range Organics (DRO) (GC	;)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			08/29/24 00:52	1

0.00404

mg/Kg

			(0.0)						
Method: SW846 8015B NM - Dies Analyte	•	inics (DRO) Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:52	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		08/27/24 14:55	08/29/24 00:52	1
C10-C28)									
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 Q	lualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.2		4.96		mg/Kg			08/28/24 14:39	1

Eurofins Midland

<0.00404 U

Client: Carmona Resources

Job ID: 880-47789-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-47789-5

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

Matrix: Solid

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)			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 - T	Total BTEX Cald	culation							
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 - Diese Analyte	Result	Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH									Diriac
10(a) 1FN -	<49.9	U	49.9		mg/Kg			08/29/24 01:08	1
Method: SW846 8015B NM - Dies					mg/Kg				
_	sel Range Orga			MDL	mg/Kg Unit		Prepared		
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared 08/27/24 14:55	08/29/24 01:08	1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	<u>.</u>	08/29/24 01:08 Analyzed	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result <49.9	nics (DRO) Qualifier U *+	(GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	08/27/24 14:55	08/29/24 01:08 Analyzed 08/29/24 01:08	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9	nics (DRO) Qualifier U U *+	(GC) RL 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55	08/29/24 01:08 Analyzed 08/29/24 01:08 08/29/24 01:08	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <49.9 <49.9	nics (DRO) Qualifier U U *+	(GC) RL 49.9 49.9 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55	08/29/24 01:08 Analyzed 08/29/24 01:08 08/29/24 01:08 08/29/24 01:08	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result	nics (DRO) Qualifier U U *+	(GC) RL 49.9 49.9 49.9 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55 Prepared	08/29/24 01:08 Analyzed 08/29/24 01:08 08/29/24 01:08 08/29/24 01:08 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result Capability Capabil	Oualifier U *+ U Qualifier	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55 Prepared 08/27/24 14:55	08/29/24 01:08 Analyzed 08/29/24 01:08 08/29/24 01:08 08/29/24 01:08 Analyzed 08/29/24 01:08	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.9 <49.9 <49.9 **Recovery 104 104 Chromatograp	Oualifier U *+ U Qualifier	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55 Prepared 08/27/24 14:55	08/29/24 01:08 Analyzed 08/29/24 01:08 08/29/24 01:08 08/29/24 01:08 Analyzed 08/29/24 01:08	Dil Fac

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)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(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	

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
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
20-14928-A-40-C MS	Matrix Spike	139 S1+	128	
20-14928-A-40-D MSD	Matrix Spike Duplicate	123	112	
0-47789-1	S-1 (0-3")	96	135 S1+	
0-47789-2	S-1 (6")	115	115	
0-47789-3	S-2 (0-3")	100	148 S1+	
0-47789-4	S-2 (6")	122	123	
)-47789-5	S-2 (12")	104	104	
CS 880-89508/2-A	Lab Control Sample	131 S1+	143 S1+	
.CSD 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

Client: Carmona Resources

Job ID: 880-47789-1 SDG: Lea County, New Mexico Project/Site: Osprey 2 State Com 3H Flare Fire

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	Result	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

MB MB

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89553

Lab Sample ID: LCS 880-89553/1-A **Matrix: Solid**

Analysis Batch: 89543

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 89543

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

Prep Type: Total/NA Prep Batch: 89553 LCSD LCSD %Rec

	Opino	LOOD LOOL	•			/01100		INI D	
Analyte	Added	Result Quali	ifier Unit	D	%Rec	Limits	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	

Spike

LCSD LCSD

Surrogate	%Recovery 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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

Client: Carmona Resources

SDG: Lea County, New Mexico Project/Site: Osprey 2 State Com 3H Flare Fire

Job ID: 880-47789-1

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

Lab Sample ID: 820-14928-A-41-F MSD

Matrix: Solid

Analysis Batch: 89543

Lab Sample ID: 820-14928-A-41-E MS	Client Sample ID: Matrix Spike
Matrice Calid	Dren Tree: Total/NA

Prep Type: Total/NA Prep Batch: 89553

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

Surrogate	%Recovery Qu	alifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89553

Analysis Batch: 89543

Matrix: Solid

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD

Surrogate	%Recovery	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

	IIID	IVID							
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	08/28/24 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

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/27/24 14	55 08/28/24 19:57	1
o-Terphenyl	106		70 - 130	08/27/24 14	55 08/28/24 19:57	1

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

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

Client: Carmona Resources

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

SDG: Lea County, New Mexico

Job ID: 880-47789-1

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 Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 89523

Prep Type: Total/NA

Prep Batch: 89508

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1127 113 70 - 1300 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1473 *+ mg/Kg 147 70 - 1306 20 C10-C28)

LCSD LCSD

Sample Sample

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

Lab Sample ID: 820-14928-A-40-C MS Client Sample ID: Matrix Spike

Me Me

Matrix: Solid

Analysis Batch: 89523

Prep Type: Total/NA

Prep Batch: 89508

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

Snike

C10-C28)

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

Lab Sample ID: 820-14928-A-40-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 89523

Prep Type: Total/NA Prep Batch: 89508

%Rec

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

C10-C28)

MSD MSD

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane	123	70 - 130
o-Terphenyl	112	70 - 130

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Job ID: 880-47789-1

Client Sample ID: Method Blank

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

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

Prep Type: Soluble

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 89599

Prep Type: Soluble

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/28/24 13:42

Lab Sample ID: LCS 880-89572/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89599

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

Lab Sample ID: LCSD 880-89572/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89599

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 234.0 mg/Kg 90 - 110

Lab Sample ID: 880-47789-1 MS

MB MB

Matrix: Solid

Analysis Batch: 89599

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

Lab Sample ID: 880-47789-1 MSD

Matrix: Solid

Analysis Batch: 89599

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

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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

Lab Chronicle

Client: Carmona Resources

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

SDG: Lea County, New Mexico

Job ID: 880-47789-1

Client Sample ID: S-1 (0-3") Lab Sample ID: 880-47789-1

Matrix: Solid

Date Collected: 08/26/24 00:00 Date Received: 08/27/24 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 08/27/24 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 08/27/24 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Matrix: Solid

Matrix: Solid

Lab Chronicle

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: 880-47789-4

Matrix: Solid

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

Date Received: 08/27/24 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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") Lab Sample ID: 880-47789-5 Date Collected: 08/26/24 00:00 **Matrix: Solid**

Date Received: 08/27/24 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Job ID: 880-47789-1

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

SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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
I 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

880-47789 Chain of Custody

8/29/2024

	COLUMN TOTAL IN				Bill to: (if different)		Carmona	Carmona Resources			Work Order Comments	Comments	
Company Name: Car	Carmona Resources	seo.			Company Name:					Program: UST/PST PRP Brownfields RRC	T PRP Brov	wnfields RRC	☐uperfund
Address: 310	310 W Wall St Ste 500	e 500			Address:					State of Project:			
City, State ZIP: Mid	Midland, TX 79701	11			City, State ZIP:					Reporting:Level II Level III DST/UST] Level III ☐S	T/UST RRP	☐ Level IV ☐
Phone: 432	432-813-6823			Email:	Email: mcarmona@carmonaresources.com	armonare	ources.c	<u>om</u>		Deliverables: EDD		ADaPT Other:	
Project Name:	Osprey 2 S	Osprey 2 State Com 3H Flare Fire	1 Flare Fire	Tum	Turn Around				ANALYS	ANALYSIS REQUEST		Preserva	Preservative Codes
Project Number:		2507		☐ Routine	✓ Rush	Pres. Code		_				None: NO	DI Water: H ₂ O
Project Location	Lea C	Lea County, New Mexico	Mexico	Due Date:	72 HR							Cool: Cool	MeOH: Me
Sampler's Name:		2					.00	(0			_	HCL: HC	HNO3: HN
PO #:					(SJ	v1 T					H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Jemel	Jemp Blank:	(ON SOA	Wet Ice:	ON SEX	eter	-	-				H₃PO₄: HP	
Received Intact:	3				Tac	nen	-	_				NaHSO4: NABIS	
Cooler Custody Seals:	Yes No	(N/A)	Correction Factor:		11	₽d	LEX	phol				Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No		Temperature Reading:	Jing:	J. (c)		-					Zn Acetate+NaOH: Zn	H: Zn
Total Containers:			Corrected Temperature:	ature:	3		108 1			-		NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	ation	Date	Time	Soil	Water Comp	# of Cont	.01					Sample (Sample Comments
S-1 (0-3")		8/26/2024		×	O	-	×	×					
S-1 (6")		8/26/2024		×	ŋ	-	×	×					
· S-2 (0-3")		8/26/2024		×	9	1	(X	×					
·S-2 (6")		8/26/2024		×	9	1	(X	×					
(12")		8/26/2024		×	ŋ	-	×	×					
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	Mike Carmon	ıa / Mcarmol	na@carmonare	sources.com a	nd Conner Mo	shring / C	noehrin	g@carmon	aresources.com				
	R	peusinduis	Relinquished by: (Signature)				Date/Time	Θ		Received by: (Signature)	(6)	-	Date/Time
	4	100	787			00	37/2	なる			b	A CONTRACTOR	37 (C)
						_						1	_

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47789-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Midland

Login Number: 47789 List Number: 1

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	N/A	

20 0j 130

<6mm (1/4").

Environment Testing

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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

14

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 Job ID: 880-47790-1 Project/Site: Osprey 2 State Com 3H Flare Fire

SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Ouglifier Description

GC Semi VOA Ouglifier

Quaimer	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

Indicates the analyte was analyzed for but not detected.

Glossary

LOD

LOQ

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)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Detection (DoD/DOE)

Limit of Quantitation (DoD/DOE)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

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 **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Job ID: 880-47790-1

Case Narrative

Client: Carmona Resources

Project: Osprey 2 State Com 3H Flare Fire

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.

Eurofins Midland

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Client: Carmona Resources

Job ID: 880-47790-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-47790-1

Client Sample ID: H-1 (0'-0.5') Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

Matrix: Solid

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)			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 - 1	Total BTEX Cald	culation							
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
Analyte Total TPH	<49.8	Qualifier U	49.8	WIDE	mg/Kg	<u>D</u>	Prepared	Analyzed 08/29/24 01:23	Dil Fac
Total TPH - -	<49.8	U	49.8		mg/Kg			08/29/24 01:23	1
Method: SW846 8015B NM - Dies									
Metriou. 344040 00 136 MM - Die	sel Range Orga	nics (DRO)	(GC)						
	•	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	•	Qualifier	•	MDL	Unit mg/Kg	D	Prepared 08/27/24 14:55	Analyzed 08/29/24 01:23	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U	RL 49.8	MDL	mg/Kg	<u>D</u>	08/27/24 14:55	08/29/24 01:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	MDL		<u>D</u>	<u>.</u>		1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U U *+	RL 49.8	MDL	mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55	08/29/24 01:23 08/29/24 01:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U U *+	RL 49.8	MDL	mg/Kg	<u> </u>	08/27/24 14:55	08/29/24 01:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <49.8	Qualifier U U*+	RL 49.8	MDL	mg/Kg	<u> </u>	08/27/24 14:55 08/27/24 14:55	08/29/24 01:23 08/29/24 01:23	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result 49.8 <49.8 <49.8	Qualifier U U*+	49.8 49.8 49.8	MDL	mg/Kg	<u> </u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55	08/29/24 01:23 08/29/24 01:23 08/29/24 01:23	1 1 1 <i>Dil Fac</i>
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <49.8 <49.8 <49.8 <49.8 <49.8 %Recovery	Qualifier U U*+	49.8 49.8 49.8 <i>Limits</i>	MDL	mg/Kg	<u> </u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55 Prepared	08/29/24 01:23 08/29/24 01:23 08/29/24 01:23 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U *+ U Qualifier	RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55 Prepared 08/27/24 14:55	08/29/24 01:23 08/29/24 01:23 08/29/24 01:23 Analyzed 08/29/24 01:23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U *+ U Qualifier	RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/27/24 14:55 08/27/24 14:55 08/27/24 14:55 Prepared 08/27/24 14:55	08/29/24 01:23 08/29/24 01:23 08/29/24 01:23 Analyzed 08/29/24 01:23	Dil Fac 1 1 Dil Fac 1 Dil Fac

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

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

Client: Carmona Resources

Chloride

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

Job ID: 880-47790-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-47790-2

08/28/24 15:15

Matrix: Solid

Client Sample ID: H-2 (0'-0.5')
Date Collected: 08/26/24 00:00
Date Received: 08/27/24 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	<0.00402	U	0.00402		mg/Kg			08/28/24 18:24	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<49.7	U	49.7		mg/Kg			08/29/24 01:39	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:39	1
GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U *+	49.7		mg/Kg		08/27/24 14:55	08/29/24 01:39	1
C10-C28)									
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
-Chlorooctane	112		70 - 130				08/27/24 14:55	08/29/24 01:39	1
p-Terphenyl	110		70 - 130				08/27/24 14:55	08/29/24 01:39	1

Client Sample ID: H-3 (0'-0.5') Lab Sample ID: 880-47790-3 Date Collected: 08/26/24 00:00

4.97

Matrix: Solid Date Received: 08/27/24 16:20

mg/Kg

Method: SW846 8021B - Volatile Organic Compounds (GC)
i Metilou. Stroto ouz ib - voiatile Ordanic Combounds (\mathbf{u}

12.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	
Toluene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 18:44	
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/28/24 09:33	08/28/24 18:44	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/28/24 09:33	08/28/24 18:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	110		70 - 130				08/28/24 09:33	08/28/24 18:44	
1,4-Difluorobenzene (Surr)	97		70 - 130				08/28/24 09:33	08/28/24 18:44	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>			Dil Fa
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U	RL 0.00398			<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	=	Prepared	Analyzed 08/28/24 18:44	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.7	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.7		mg/Kg	=	Prepared	Analyzed 08/28/24 18:44 Analyzed	,
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.7 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.7	MDL	mg/Kg	=	Prepared	Analyzed 08/28/24 18:44 Analyzed	Dil Fa
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.7 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.7	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/28/24 18:44 Analyzed 08/29/24 01:54	,

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')

Date Collected: 08/26/24 00:00 Date Received: 08/27/24 16:20

Lab Sample ID: 880-47790-3

Matrix: Solid

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ıed)					
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 D Dil Fac Unit Prepared Analyzed 5.05 08/28/24 15:22 Chloride 24.0 mg/Kg

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

Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

Lab Sample ID: 880-47790-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 08/28/24 09:33 08/28/24 19:05 mg/Kg Toluene <0.00201 U 0.00201 08/28/24 09:33 08/28/24 19:05 mg/Kg Ethylbenzene <0.00201 U 0.00201 08/28/24 09:33 08/28/24 19:05 mg/Kg m-Xylene & p-Xylene 08/28/24 09:33 08/28/24 19:05 <0.00402 U 0.00402 mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 08/28/24 09:33 08/28/24 19:05 Xylenes, Total <0.00402 U 0.00402 mg/Kg 08/28/24 09:33 08/28/24 19:05 Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 70 - 130 08/28/24 09:33 08/28/24 19:05 4-Bromofluorobenzene (Surr) 112 1,4-Difluorobenzene (Surr) 97 70 - 130 08/28/24 09:33 08/28/24 19:05

Method: TAL SOP Total BTEX - Tot	al BTEX Calo	culation							
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 - Diese	l Range Organ	ics (DRO) (G	C)						
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
Mathadi CW04C 004ED NM Dia	nal Dames Over	rice (DDO) (20)						

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/27/24 14:55	08/29/24 02:10	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U *+	49.8		mg/Kg		08/27/24 14:55	08/29/24 02:10	1
C10-C28)									
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-Terphenvl	98		70 - 130				08/27/24 14:55	08/29/24 02:10	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - 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

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

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
320-14928-A-41-E MS	Matrix Spike	103	97	
320-14928-A-41-F MSD	Matrix Spike Duplicate	101	98	
380-47790-1	H-1 (0'-0.5')	110	96	
380-47790-2	H-2 (0'-0.5')	111	96	
380-47790-3	H-3 (0'-0.5')	110	97	
380-47790-4	H-4 (0'-0.5')	112	97	
CS 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				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
20-14928-A-40-C MS	Matrix Spike	139 S1+	128	
20-14928-A-40-D MSD	Matrix Spike Duplicate	123	112	
80-47790-1	H-1 (0'-0.5')	106	104	
80-47790-2	H-2 (0'-0.5')	112	110	
80-47790-3	H-3 (0'-0.5')	98	95	
30-47790-4	H-4 (0'-0.5')	101	98	
CS 880-89508/2-A	Lab Control Sample	131 S1+	143 S1+	
CSD 880-89508/3-A	Lab Control Sample Dup	105	143 S1+	
1B 880-89508/1-A	Method Blank	105	106	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Carmona Resources

Job ID: 880-47790-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

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

Matrix: Solid

Matrix: Solid

Analysis Batch: 89543

Analysis Batch: 89543

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89553

	MB	MB							
Analyte	Result	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

MB MB

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89553

Prep Type: Total/NA

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

LCS LCS

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

Lab Sample ID: LCSD 880-89553/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analyte

Analysis Batch: 89543

						Prep Batch: 89553			
Spike	LCSD	LCSD				%Rec		RPD	
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
0.100	0.1112		mg/Kg		111	70 - 130	1	35	

Benzene 0. Toluene 0.100 0.1074 mg/Kg 107 70 - 130 35 Ethylbenzene 0.100 0.1047 mg/Kg 105 70 - 130 35 0.200 m-Xylene & p-Xylene 0.2251 mg/Kg 113 70 - 130 35 0.100 0.1123 o-Xylene mg/Kg 112 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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

Lab Sample ID: 820-14928-A-41-F MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 89543

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89553

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00201	U	0.100	0.09297		mg/Kg		93	70 - 130	
<0.00402	U	0.200	0.1987		mg/Kg		99	70 - 130	
< 0.00201	U	0.100	0.09919		mg/Kg		99	70 - 130	
	Result <0.00201 <0.00402	Result Qualifier	Result Qualifier Added <0.00201	Result Qualifier Added Result <0.00201	Result Qualifier Added Result Qualifier <0.00201	Result Qualifier Added Result Qualifier Unit <0.00201	Result Qualifier Added Result Qualifier Unit D <0.00201	Result Qualifier Added Result Qualifier Qualifier Unit Unit Unit Unit Unit Unit Unit Unit	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00201

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89553

RPD

Analysis Batch: 89543 Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.100 7 Benzene <0.00201 U 0.09858 mg/Kg 99 70 - 130 35 0.08973 Toluene <0.00201 U 0.100 mg/Kg 90 70 - 130 10 35 Ethylbenzene <0.00201 U 0.100 0.08017 mg/Kg 80 70 - 130 15 35 <0.00402 U 0.200 0.1696 70 - 130 35 m-Xylene & p-Xylene mg/Kg 85 16 0.100 <0.00201 U 0.08515 85 70 - 130 o-Xylene mg/Kg 15

MSD MSD

Surrogate	%Recovery	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

	IVID	IVID							
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	08/28/24 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

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/27/24 14:55	08/28/24 19:57	1
o-Terphenyl	106		70 - 130	08/27/24 14:55	08/28/24 19:57	1

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

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

Client: Carmona Resources

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

Job ID: 880-47790-1

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 Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 89523

Prep Type: Total/NA

Prep Batch: 89508

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1127 113 70 - 130O 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1473 *+ mg/Kg 147 70 - 1306 20 C10-C28)

LCSD LCSD

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

Lab Sample ID: 820-14928-A-40-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 89523

Prep Type: Total/NA

Prep Batch: 89508

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

C10-C28)

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

Lab Sample ID: 820-14928-A-40-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 89523

Prep Type: Total/NA

Prep Batch: 89508

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

C10-C28)

MSD MSD

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

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Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Job ID: 880-47790-1

Client Sample ID: Method Blank

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 89599

MB MB

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/28/24 13:42

Lab Sample ID: LCS 880-89572/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 89599

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

Lab Sample ID: LCSD 880-89572/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 89599

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 234.0 mg/Kg 90 - 110

Lab Sample ID: 880-47789-A-1-D MS

Matrix: Solid

Analysis Batch: 89599

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

Lab Sample ID: 880-47789-A-1-E MSD

Matrix: Solid

Analysis Batch: 89599

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 251 Chloride 38.7 269.8 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 Batcl
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 Pre	p 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

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

Eurofins Midland

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Lab Chronicle

Client: Carmona Resources

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

SDG: Lea County, New Mexico

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

Date Collected: 08/26/24 00:00 Date Received: 08/27/24 16:20 Lab Sample ID: 880-47790-1

Matrix: Solid

Job ID: 880-47790-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

Lab Sample ID: 880-47790-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

Lab Sample ID: 880-47790-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

Lab Sample	ID: 880-47790-4
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Chronicle

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: 880-47790-4

Matrix: Solid

Client Sample ID: H-4 (0'-0.5') Date Collected: 08/26/24 00:00

Date Received: 08/27/24 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

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

Accreditation/Certification Summary

Client: Carmona Resources

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	Progra	ım	Identification Number	Expiration Date							
Texas	NELAP T104704400 06-30-25										
,	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This list	t may include analytes							
Analysis Method	Prep Method	Matrix	Analyte								
8015 NM		Solid	Total TPH								
		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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880-47790 Chain of Custody

Chain of Custody

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DI Water: H₂O MeOH: Me HNO₃: HN NaOH: Na NaOH+Ascorbic Acid: SAPC **Preservative Codes** Sample Comments Date/Time Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO4: NABIS Other H₃PO₄: HP Work Order Comments None: NO Cool: Cool H₂S04: H₂ HCL: HC ADaPT Deliverables: EDD Received by: (Signature) State of Project: ANALYSIS REQUEST Carmona Resources × × × × Chloride 300.0 Email: mcamona@carmonaresources.com × × Date/Time × TPH 8015M (GRO + DRO + MRO) × × × × × **B1508 X3T8** # of Cont Pres. Parameters Comp Grab/ O G g G Bill to: (if different) Company Name City, State ZIP: Yes) No 72 HR ✓ Rush Address: **Turn Around** Water ke Carmona / Mcarmona@carmonaresources.com and Wet Ice: Routine Due Date: Soil \times × × × Corrected Temperature Temperature Reading: Correction Factor: Thermometer ID: Relinquished by: (Signature) Time Osprey 2 State Com 3H Flare Fire Yes Lea County, New Mexico 8/26/2024 8/26/2024 8/26/2024 8/26/2024 3 NA Date 310 W Wall St Ste 500 Temp Blank: S. Carmona Resources Yes No ž Midland, TX 79701 Conner Moehring 3 Yes 432-813-6823 Sample Identification H-1 (0'-0.5') H-2 (0'-0.5') H-3 (0'-0.5') H-4 (0'-0.5') SAMPLE RECEIPT Sample Custody Seals: Cooler Custody Seals: Total Containers: Project Manager: Sampler's Name: Company Name: Received Intact: Project Location Project Number: City, State ZIP: Project Name: Address: Phone: # Od

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-47790-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Midland

Login Number: 47790 List Number: 1

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	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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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

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

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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9/16/2024

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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 Job ID: 880-48435-1 Project/Site: Osprey 2 State Com 3H Flare Fire

SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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**

Detection Limit (DoD/DOE) DΙ

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) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Job ID: 880-48435-1

Case Narrative

Client: Carmona Resources

Project: Osprey 2 State Com 3H Flare Fire

Eurofins Midland Job ID: 880-48435-1

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.

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

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-48435-1

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

Matrix: Solid

Job ID: 880-48435-1

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	
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:40	09/14/24 15:25	•
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/24 12:40	09/14/24 15:25	•
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/14/24 12:40	09/14/24 15:25	
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	
1,4-Difluorobenzene (Surr)	102		70 - 130				09/14/24 12:40	09/14/24 15:25	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
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 - Die	esel Range Organ	ics (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	

Method: SW846 8015B NM - Dies	el Range Orga	inics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		09/13/24 11:28	09/16/24 15:39	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		09/13/24 11:28	09/16/24 15:39	1
C10-C28)									
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 C	hromatograp	hy - Soluble	9						
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 Matrix: Solid Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

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

Client: Carmona Resources

Job ID: 880-48435-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-48435-2

Client Sample ID: CS-2 (1')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Matrix: Solid

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 - Diese	I Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 12:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 12:06	1
C10-C28)									
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	Chromatograp	hy - Solubl	e						
Analyte		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

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) Method: TAL SOP Total BTEX	- Total BTEX Cald	culation	70 - 130				09/14/24 12:40	09/14/24 16:06	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	09/14/24 12:40 Prepared	Analyzed	·
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401	Qualifier U	RL 0.00401	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00401 esel Range Organ	Qualifier U	RL 0.00401			D		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00401 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 09/14/24 16:06	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/14/24 16:06 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 09/14/24 16:06 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00401 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 09/14/24 16:06 Analyzed 09/16/24 12:53	Dil Fac

Client: Carmona Resources

Job ID: 880-48435-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-48435-3

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

Matrix: Solid

Date Received: 09/13/24 15:01

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continu	ıed)					
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 Cl	hromatography - Solubl	le					
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

Released to Imaging: 10/21/2024 1:18:53 PM

Lab Sample ID: 880-48435-4

Date Received: 09/13/24 15:01

Matrix: Solid

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 - Tot	al BTEX Cald	ulation							
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 Rang	e Organ	ics (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 Rar	ae Oraa	nics (DRO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 13:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		09/13/24 15:55	09/16/24 13:08	1
C10-C28)									
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 C	hromatograp	hy - 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

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: 880-48435-5

Matrix: Solid

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Client Sample ID: SW-2 (1')

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 - 1	Total BTEX Cald	culation							
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
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	
- -					mg/Kg			09/16/24 13:23	
: Method: SW846 8015B NM - Die:	sel Range Orga	nics (DRO)	(GC)	MDL		— – D	Prepared		1
Method: SW846 8015B NM - Dies Analyte	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared 09/13/24 15:55	Analyzed	1 Dil Fac
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared 09/13/24 15:55		1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	<u>.</u>	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.7	nics (DRO) Qualifier U	(GC) RL 49.7	MDL	Unit mg/Kg mg/Kg	<u>D</u>	09/13/24 15:55 09/13/24 15:55	Analyzed 09/16/24 13:23	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.7	nics (DRO) Qualifier U	(GC) RL 49.7	MDL	Unit mg/Kg	<u>D</u>	09/13/24 15:55	Analyzed 09/16/24 13:23	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Sel Range Orga Result <49.7 <49.7 <49.7 <49.7	nics (DRO) Qualifier U U	(GC) RL 49.7 49.7 49.7 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	09/13/24 15:55 09/13/24 15:55 09/13/24 15:55 Prepared	Analyzed 09/16/24 13:23 09/16/24 13:23 09/16/24 13:23 Analyzed	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Orga Result <49.7 <49.7	nics (DRO) Qualifier U U	(GC) RL 49.7 49.7 49.7	MDL	Unit mg/Kg mg/Kg	<u>D</u>	09/13/24 15:55 09/13/24 15:55 09/13/24 15:55	Analyzed 09/16/24 13:23 09/16/24 13:23	Dil Face 1 1 1 Dil Face
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Sel Range Orga Result <49.7 <49.7 <49.7 <49.7	nics (DRO) Qualifier U U	(GC) RL 49.7 49.7 49.7 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	09/13/24 15:55 09/13/24 15:55 09/13/24 15:55 Prepared	Analyzed 09/16/24 13:23 09/16/24 13:23 09/16/24 13:23 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <49.7	U Qualifier U Qualifier	RL 49.7 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	09/13/24 15:55 09/13/24 15:55 09/13/24 15:55 Prepared 09/13/24 15:55	Analyzed 09/16/24 13:23 09/16/24 13:23 09/16/24 13:23 Analyzed 09/16/24 13:23	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.7	U Qualifier U Qualifier	RL 49.7 49.7 49.7 49.7 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	09/13/24 15:55 09/13/24 15:55 09/13/24 15:55 Prepared 09/13/24 15:55	Analyzed 09/16/24 13:23 09/16/24 13:23 09/16/24 13:23 Analyzed 09/16/24 13:23	Dil Fac

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

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

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')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-6

Matrix: Solid

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 - Diese	l Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 13:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/24 15:55	09/16/24 13:38	1
C10-C28)									
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	Chromatograp	hy - Solubl	e						
Analyte	• .	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

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) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 R L	MDL	Unit	D	09/14/24 12:40 Prepared	09/14/24 17:28 Analyzed	•
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	- Total BTEX Cald			MD					
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404		mg/Kg		Prepared	Analyzed 09/14/24 17:28	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U	RL 0.00404			<u>D</u>		Analyzed	•
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00404		mg/Kg		Prepared	Analyzed 09/14/24 17:28	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <- 0.00404 esel Range Organ Result <- 949.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.9		mg/Kg		Prepared	Analyzed 09/14/24 17:28 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00404 GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/14/24 17:28 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 17:28 Analyzed 09/16/24 13:53	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	- Total BTEX Calc Result <0.00404 esel Range Organ Result <49.9 Diesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 09/14/24 17:28 Analyzed 09/16/24 13:53 Analyzed	Dil Fac

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 - Dies	sel Range Orga	nics (DRO	(GC) (Continu	ıed)					
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 C	hromatograph	ny - 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

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(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	
380-48435-4	SW-1 (1')	105	102	
880-48435-5	SW-2 (1')	103	101	
880-48435-6	SW-3 (1')	107	101	
380-48435-7	SW-4 (1')	106	103	
LCS 880-90771/1-A	Lab Control Sample	99	98	
_CSD 880-90771/2-A	Lab Control Sample Dup	101	97	
	Method Blank	100	97	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		4004	OTDUA	Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
)-48403-A-13-C MS	Matrix Spike	90	88	
0-48403-A-13-D MSD	Matrix Spike Duplicate	90	87	
0-48435-1	CS-1 (1')	74	81	
0-48435-2	CS-2 (1')	81	94	
0-48435-2 MS	CS-2 (1')	93	88	
0-48435-2 MSD	CS-2 (1')	94	88	
0-48435-3	CS-3 (1')	85	92	
-48435-4	SW-1 (1')	80	87	
-48435-5	SW-2 (1')	82	87	
48435-6	SW-3 (1')	84	90	
-48435-7	SW-4 (1')	82	89	
880-90723/2-A	Lab Control Sample	120	118	
8 880-90745/2-A	Lab Control Sample	127	121	
SD 880-90723/3-A	Lab Control Sample Dup	117	115	
SD 880-90745/3-A	Lab Control Sample Dup	122	113	
880-90723/1-A	Method Blank	61 S1-	67 S1-	
880-90745/1-A	Method Blank	92	104	
Surrogate Legend	Wethou Blank	92	104	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources

Job ID: 880-48435-1 SDG: Lea County, New Mexico Project/Site: Osprey 2 State Com 3H Flare Fire

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

MB	MB

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 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

мв мв

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90771

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

Analysis Batch: 90768

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery Qualifie	r 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 Sam	ple ID: Lab	Control Sam	ple Dup
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Prep Type: Total/NA

Prep Batch: 90771

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

Surrogate	%Recovery Q	ualifier	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

Prep Type: Total/NA

Prep Batch: 90771

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

QC Sample Results

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Job ID: 880-48435-1

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

Analysis Batch: 90768

Lab Sample ID: 880-48435-1 MS Client Sample ID: CS-1 (1') **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 90771

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 0.101 Ethylbenzene <0.00198 U 0.08214 81 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00396 0.202 0.1724 mg/Kg 86 70 - 130 o-Xylene <0.00198 U 0.101 0.08680 86 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery Q	ualifier	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

Sample Sample Spike MSD MSD RPD Result Qualifier Result Qualifier RPD Limit Analyte babbA Unit %Rec Limits Benzene <0.00198 U 0.0998 0.09225 mg/Kg 92 70 - 130 3 35 Toluene <0.00198 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 0.200 0.1788 70 - 130 35 m-Xylene & p-Xylene <0.00396 U mg/Kg 90 <0.00198 U 0.0998 0.09016 90 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		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

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
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

Analysis Batch: 90830

Matrix: Solid

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90723

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

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Job ID: 880-48435-1

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

LCS LCS

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

Surrogate %Recovery Qualifier

Limits 1-Chlorooctane 120 70 - 130 o-Terphenyl 118 70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

97

Prep Type: Total/NA

Prep Batch: 90723

2

Lab Sample ID: LCSD 880-90723/3-A **Matrix: Solid**

Analysis Batch: 90830

Diesel Range Organics (Over

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 989.9 99 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10

1000

C10-C28) LCSD LCSD

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

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

Matrix: Solid

Analysis Batch: 90830

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

966.1

mg/Kg

Prep Batch: 90723

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

C10-C28)

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

Lab Sample ID: 880-48403-A-13-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 90830

Prep Type: Total/NA Prep Batch: 90723

> RPD %Rec Limits RPD Limit

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

MSD MSD

C10-C28)

MSD MSD

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

Eurofins Midland

20

QC Sample Results

Client: Carmona Resources

Job ID: 880-48435-1 SDG: Lea County, New Mexico Project/Site: Osprey 2 State Com 3H Flare Fire

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

Lab Sample ID: MB 880-90745/1-A

Lab Sample ID: LCS 880-90745/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 90827

Analysis Batch: 90827

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

Prep Batch: 90745

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

Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90745

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 90745

Analysis Batch: 90827

Lab Sample ID: LCSD 880-90745/3-A

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	910.6		mg/Kg		91	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	923.8		mg/Kg		92	70 - 130	6	20
C10 C20)									

C10-C28)

Matrix: Solid

LCSD LCSD

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

Lab Sample ID: 880-48435-2 MS Client Sample ID: CS-2 (1') Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 90827									Prep	Batch: 90745
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	998	780.0		mg/Kg		78	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	998	792.7		mg/Kg		79	70 - 130	
C10-C28)										

Limits

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)

MS MS

%Recovery Qualifier

Lab Sample ID: 880-48435-2 MS **Matrix: Solid**

Surrogate

Analysis Batch: 90827

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

Prep Batch: 90745

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')

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 90745

%Rec RPD Limits RPD Limit

Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit D %Rec <50.0 U 998 802 4 80 70 - 1303 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 790.8 79 mg/Kg 70 - 1300 20 C10-C28)

MSD MSD

%Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 94 88 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 90754

Prep Type: Soluble

мв мв

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

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

Matrix: Solid

Analysis Batch: 90754

Spike LCS LCS %Rec Added Analyte 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

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

Lab Sample ID: 880-48435-4 MS

Matrix: Solid

Analysis Batch: 90754

	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

Eurofins Midland

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

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

Client Sample ID: SW-1 (1')

Prep Type: Soluble

QC Sample Results

Client: Carmona Resources

Job ID: 880-48435-1 Project/Site: Osprey 2 State Com 3H Flare Fire 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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	7.91		249	244.1		mg/Kg		95	90 - 110	0	20

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

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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	

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

Eurofins Midland

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Lab Chronicle

Client: Carmona Resources

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

SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

Lab Sample ID: 880-48435-1

Matrix: Solid

Job ID: 880-48435-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 MIC
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 Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

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Matrix: Solid

Matrix: Solid

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-48435-5

Client Sample ID: SW-2 (1') Date Collected: 09/12/24 00:00 **Matrix: Solid**

Date Received: 09/13/24 15:01

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 90771 09/14/24 12:40 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 90768 09/14/24 16:47 MNR **EET MID** 1 Total/NA Total BTEX Analysis 1 90881 09/14/24 16:47 SM **EET MID** Total/NA Analysis 8015 NM 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 uL 90827 09/16/24 13:23 TKC **EET MID** 1 uL 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 СН **EET MID**

Client Sample ID: SW-3 (1') Lab Sample ID: 880-48435-6

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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') Lab Sample ID: 880-48435-7

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	90745 90827	09/13/24 15:55 09/16/24 13:53	EL TKC	EET MID EET MID

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Matrix: Solid

Matrix: Solid

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') Lab Sample ID: 880-48435-7 Date Collected: 09/12/24 00:00

Matrix: Solid

Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Accreditation/Certification Summary

Client: Carmona Resources

Job ID: 880-48435-1 Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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
3015NM Prep	Microextraction	SW846	EET MID
Ol 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

880-48435 Chain of Custody

Chain of Custody

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| | Inperfund | | ☐ Level IV ☐ DI Water: H₂O HNO₃: HN NaOH: Na NaOH+Ascorbic Acid: SAPC MeOH: Me Preservative Codes Sample Comments Date/Time ŏ Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO4: NABIS Program: UST/PST PRP Brownfields RRC DRRP Other H₃PO4: HP Work Order Comments HCL: HC None: NO Cool: Cool Reporting:Level II Level III DST/UST ADaPT Deliverables: EDD State of Project: Received by: ANALYSIS REQUEST omments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonar Carmona Resources × × × × × Chloride 300.0 Email: mcarmona@carmonaresources.com × Date/Time × × × × TPH 8015M (GRO + DRO + MRO) 42/81/10 × × × × × × × 81508 X3T8 # of Cont Pres. Code Parameters Comp Comp Comp Comp Comp Comp Comp Grab/ Comp Company Name: Bill to: (if different) City, State ZIP 20 24 HR Rush Water Address **Turn Around** ✓ Routine Wet Ice: Due Date Soil × × × × × × Corrected Temperature Temperature Reading: Correction Factor Thermometer ID: Relinquished by: (Signature) Yes No Osprey 2 State Com 3H Flare Fire Time Lea County, New Mexico 9/12/2024 9/12/2024 9/12/2024 9/12/2024 9/12/2024 9/12/2024 9/12/2024 2507 <u>~</u> Yes No MA Date 310 W Wall St Ste 500 Temp Blank: Yes No Carmona Resources Yes No Midland, TX 79701 Conner Moehring 432-813-6823 Sample Identification SW-2(1') SW - 1 (1) SW - 3 (1') SW - 4 (1) CS - 3 (1') CS - 1 (1') CS - 2 (1') SAMPLE RECEIPT Sample Custody Seals: Cooler Custody Seals: mo Sampler's Name: Fotal Containers: Company Name Project Manager Project Location Received Intact: Project Number City, State ZIP Project Name: Address: # Od

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48435-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Midland

Login Number: 48435 List Number: 1

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	

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Environment Testing

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

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

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (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

Job ID: 880-48426-1 Client: Carmona Resources Project/Site: Osprey 2 State Com 3H Flare Fire

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. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

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)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Job ID: 880-48426-1

Case Narrative

Client: Carmona Resources

Project: Osprey 2 State Com 3H Flare Fire

Eurofins Midland Job ID: 880-48426-1

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).

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.

Client Sample Results

Client: Carmona Resources

Date Collected: 09/12/24 00:00

Date Received: 09/13/24 15:01

Client Sample ID: Merchant Livestock Pit

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Lab Sample ID: 880-48426-1

Matrix: Solid

Job ID: 880-48426-1

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	
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 Cal	culation							
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
- -					mg/Kg			09/15/24 10:58	1
Total BTEX [Method: SW846 8015 NM - Diese Analyte	el Range Organ			MDL	mg/Kg Unit	D	Prepared	09/15/24 10:58 Analyzed	1 Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0	ics (DRO) (Gualifier	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Gualifier	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier U unics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg		· · ·	Analyzed 09/16/24 12:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U unics (DRO) Qualifier	GC) RL 50.0 (GC) RL		Unit mg/Kg		Prepared	Analyzed 09/16/24 12:53 Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 50.0 (GC) RL		Unit mg/Kg		Prepared	Analyzed 09/16/24 12:53 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 50.0 sel Range Orga Result 550.0 <50.0	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 11:28 09/13/24 11:28	Analyzed 09/16/24 12:53 Analyzed 09/16/24 12:53 09/16/24 12:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) (Qualifier U nnics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 09/13/24 11:28	Analyzed 09/16/24 12:53 Analyzed 09/16/24 12:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 50.0 sel Range Orga Result 550.0 <50.0	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 11:28 09/13/24 11:28	Analyzed 09/16/24 12:53 Analyzed 09/16/24 12:53 09/16/24 12:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result 50.0 sel Range Orga Result 550.0 50.0 50.0	ics (DRO) (Qualifier U unics (DRO) Qualifier U U	GC) RL 50.0 GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 11:28 09/13/24 11:28	Analyzed 09/16/24 12:53 Analyzed 09/16/24 12:53 09/16/24 12:53	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <80.0 %Recovery	ics (DRO) (Qualifier U unics (DRO) Qualifier U U Qualifier	GC) RL 50.0 GC) RL 50.0 50.0 50.0 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 11:28 09/13/24 11:28 09/13/24 11:28 Prepared	Analyzed 09/16/24 12:53 Analyzed 09/16/24 12:53 09/16/24 12:53 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ	ics (DRO) (Qualifier U unics (DRO) Qualifier U U U Qualifier S1-	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/24 11:28 09/13/24 11:28 09/13/24 11:28 Prepared 09/13/24 11:28	Analyzed 09/16/24 12:53 Analyzed 09/16/24 12:53 09/16/24 12:53 Analyzed 09/16/24 12:53	Dil Fac

4.96

58.2

mg/Kg

09/14/24 12:43

Chloride

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 Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(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+	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-48403-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-	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

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QC Sample Results

Client: Carmona Resources

Job ID: 880-48426-1 SDG: Lea County, New Mexico Project/Site: Osprey 2 State Com 3H Flare Fire

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-90770/5-A

Analysis Batch: 90765

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90770

	MB	МВ							
Analyte	Result	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

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepai	red Ana	alyzed Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	09/14/24	12:21 09/14/	24 15:36
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

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90772

Analysis Batch: 90765

Analyte	Result	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

мв мв

Surrogate	%Recovery	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

Matrix: Solid

Analysis Batch: 90765

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

Prep Batch: 90772

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1.4-Difluorobenzene (Surr)	95	70 - 130

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

Matrix: Solid

Analysis Batch: 90765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
D D. 4 . l 00770

Prep Batch: 90772

	Бріке	LCSD LCSD				%Rec		RPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09002	mg/Kg		90	70 - 130	2	35	

QC Sample Results

Client: Carmona Resources

Project/Site: Osprey 2 State Com 3H Flare Fire SDG: Lea County, New Mexico

Job ID: 880-48426-1

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

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

LCSD LCSD

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

Lab Sample ID: 880-48437-A-1-D MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 90765

Prep Type: Total/NA

Prep Batch: 90772

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

Surrogate	%Recovery Qualifier	Limits
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

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	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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

MSD MSD

мв мв Result Qualifier

<50.0 U

Surroyate	76Recovery	Qualifier	LIIIIII
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

Gasoline Range Organics

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

Prepared

09/13/24 11:28

Prep Batch: 90723

09/16/24 09:52

(GRO)-C6-C10

Eurofins Midland

RL

50.0

MDL Unit

mg/Kg

9/16/2024

QC Sample Results

Client: Carmona Resources

Job ID: 880-48426-1 SDG: Lea County, New Mexico Project/Site: Osprey 2 State Com 3H Flare Fire

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

Lab Sample ID: MB 880-90723/1-A **Matrix: Solid**

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

Matrix: Solid

Analysis Batch: 90830

Analysis Batch: 90830

Prep Type: Total/NA

Prep Batch: 90723

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	Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac	
	Diesel Range Organics (Over	<50.0	U	50.0	r	mg/Kg		09/13/24 11:28	09/16/24 09:52	1	
	C10-C28)										
	Oil Range Organics (Over C28-C36)	<50.0	U	50.0	r	mg/Kg		09/13/24 11:28	09/16/24 09:52	1	

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepai	red A	Analyzed	Dil Fac
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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90723

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

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 Samp	le ID: Lab	Control	Sample Dup

Prep Type: Total/NA

Prep Batch: 90723

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

Limits

Surrogate	%Recovery	Qualifier
	LCSD	LCSD

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	Snike
Cileiit	Sallible	ıD.	IVIALI IA	SDIKE

Prep Type: Total/NA Prep Batch: 90723

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

C10-C28)

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

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

Client Sample ID: Matrix Spike Duplicate

70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

71

Prep Type: Total/NA

0

Analysis Batch: 90830 Prep Batch: 90723 Sample Sample MSD MSD RPD Spike Result Qualifier Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics <49.6 U 994 717.0 mg/Kg 72 70 - 130 20

759.8

mg/Kg

994

Diesel Range Organics (Over

C10-C28)

(GRO)-C6-C10

MSD MSD

54.1

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

Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 90754

MB MB

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

Lab Sample ID: LCS 880-90740/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 90754

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

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

Matrix: Solid

Analysis Batch: 90754

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

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

Matrix: Solid

Analysis Batch: 90754

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

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

Matrix: Solid

Analysis Batch: 90754

Analysis Daton. 30134												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	7.91		249	244.1		mg/Kg		95	90 - 110		20	

Eurofins Midland

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	

Eurofins Midland

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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

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

SDG: Lea County, New Mexico

Job ID: 880-48426-1

Lab Sample ID: 880-48426-1

Matrix: Solid

Client Sample ID: Merchant Livestock Pit

Date Collected: 09/12/24 00:00 Date Received: 09/13/24 15:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Job ID: 880-48426-1 Project/Site: Osprey 2 State Com 3H Flare Fire

SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
	are included in this report, but ses not offer certification.	it the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
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

Eurofins Midland

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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

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880-48426 Chain of Custody

☐ puberfund ☐

Program: UST/PST PRP Brownfields RRC

Work Order Comments

Carmona Resources

Company Name Bill to: (if different)

310 W Wall St Ste 500

Midland, TX 79701

City, State ZIP:

432-813-6823

Carmona Resources

Conner Moehring

Project Manager:

Company Name

City, State ZIP:

☐ Level IV ☐

DRRP Other

ADaPT

Deliverables: EDD

ANALYSIS REQUEST

Pres. Code

Turn Around

Osprey 2 State Com 3H Flare Fire

✓ Routine

24 HR Rush

Due Date:

Lea County, New Mexico

Parameters

Wet Ice:

(Yes No

Temp Blank: Yes No

SAMPLE RECEIPT

Received Intact:

Sampler's Name:

Od

Project Location

Project Number

Project Name:

Yes No NA Yes No N/A

Reporting:Level II Level III DST/UST

State of Project:

DI Water: H₂O

None: NO

Preservative Codes

MeOH: Me HNO₃: HN NaOH: Na

Cool: Cool HCL: HC

H₃PO₄: HP H₂SO₄: H₂

NaOH+Ascorbic Acid: SAPC

Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO₄: NABIS

Sample Comments

Date/Time

Received by: (Signature)

Chloride 300.0 Email: mcarmona@carmonaresources.com × TPH 8015M (GRO + DRO + MRO) BTEX 8021B

of Cont

Grab/ Comp

Water

Soil

Time

Date

Sample Identification

Corrected Temperature: Temperature Reading: Correction Factor

Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com 5 Date/Time 3 Comp × Relinquished by: (Signature) 9/12/2024 Merchant Livestock Pit

Chain of Custody

Page 18 of 19

Sample Custody Seals: Cooler Custody Seals:

Total Containers

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-48426-1

SDG Number: Lea County, New Mexico

Login Number: 48426 List Source: Eurofins Midland
List Number: 1

Creator: Vasquez, Julisa

Question Answer Comment The cooler's custody seal, if present, is intact. N/A N/A Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) 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 True MS/MSDs Containers requiring zero headspace have no headspace or bubble is N/A

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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**

QUESTIONS

Action 391771

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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			

ncident 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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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 391771

Phone: (505) 476-3470 Fax: (505) 476-3462	
QUESTI	ONS (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.	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 s	afety 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

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.

been cleared by safety personnel.

Emergency services were not notified. Release was confined to the well pad. Facility has

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.

Name: Brittany Esparza
Title: Environmental Technician
Email: brittany.Esparza@ConocoPhillips.com
Date: 08/22/2024

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

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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**

QUESTIONS, Page 3

Action 391771

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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 ar	nd 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 contamina	ation 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 comple which includes the anticipated timelines for beginning and completing the remediation.	eted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
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	t 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.

District I

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1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462 State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 391771

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	391771
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	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.

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

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

I hereby agree and sign off to the above statement

Name: Brittany Esparza
Title: Environmental Technician

Email: brittany.Esparza@ConocoPhillips.com

Date: 10/10/2024

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

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QUESTIONS, Page 5

Action 391771

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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

District I

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

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

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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

QUESTIONS, Page 6

Action 391771

Ωl	JFS1	TIONS	(continued)	۱

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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	

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

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QUESTIONS, Page 7

Action 391771

QUESTIONS (con	tinuea)
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Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	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

Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	391771	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

(Created By	Condition	Condition Date
	scwells	None	10/21/2024