

SITE INFORMATION

Closure Report Potato Baby 902H (08.08.24) Eddy County, New Mexico Unit H Sec 34 T26S R28E nAPP2433733388 32.000730°, -104.069372°

Produced Water Release Point of Release: Equipment Corrosion Release Date: 08.08.2024 Volume Released: 8.0 Barrels of Produced Water Volume Recovered: 0.0 Barrels of Produced Water



Prepared for: Concho Operating, LLC 15 West London Road Loving, New Mexico 88256

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

Received by OCD: 1/8/2025 9:13:17 AM



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December 17, 2024

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

Re: Closure Report Potato Baby 902H (08.08.24) Concho Operating, LLC Incident ID: nAPP2433733388 Site Location: Unit H, S34, T26S, R28E (Lat 32.000730°, Long -104.069372°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Potato Baby 902H (08.08.24). The site is located at 32.000730°, -104.069372° within Unit H , S34, T26S, R28E, in Eddy 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 8, 2024, due to equipment corrosion. This released eight (8.0) barrels of produced water mix, and zero (0) barrels of produced water mix were recovered. Refer to Figure 3. The Notice of Release form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source within a 0.50-mile radius of the location exists. The nearest identified well is located approximately 1.36 miles North of the site in S27, T26S, R28E and was drilled in 2017. The well has a reported depth to groundwater of 145' 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 September 9, 2024, Carmona Resources, LLC performed an initial assessment to evaluate soil impacts stemming from the release. A total of one (1) sample point (S-1) and three (3) horizontal sample points (H-1 through H-3) were installed to total depths ranging from surface to 0 - 0.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for analytical results.

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 NMOCD web portal on December 2, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The excavation was extended to remove the horizontal samples that showed impact, and new horizontal samples were collected to ensure the removal of all impacted material. A total of five (5) confirmation floor samples were collected (CS-1 through CS-5), four (4) sidewall samples (SW-1 through SW-4), and three (3) horizontal samples 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 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. 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. The analytical results are in Table 2.

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The backfill sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 120 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 call us at 432-813-1992.

Sincerely, Carmona Resources, LLC

Conner Moehring Environmental Manager

Devin Dominguez Sr. Project Manager













APPENDIX A

CARMONA RESOURCES

Table 1 **Conoco Phillips** Potato Baby 902H (08.08.24) Eddy County, New Mexico

		TPH (mg/kg)			Benzene T	Toluene	Ethlybenzene	Xylene	Total	Chloride		
Sample ID Date Dep	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)	
S-1	9/9/2024	0-0.25'	<50.0	663	<50.0	663	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,030
5-1	"	0.5'	<49.8	3,820	<49.8	3,820	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,280
H-1	9/9/2024	0-0.5'	<50.0	116	<50.0	116	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	443
H-1	12/4/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	73.2
H-2	9/9/2024	0-0.5'	<49.9	150	<49.9	150	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	585
n-z	12/4/2024	0-0.5'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	107
Н-3	9/9/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	744
п-3	12/4/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.3
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

(S) Sample Point (H) Horizontal Point

Removed

Table 2 **Conoco Phillips** Potato Baby 902H (08.08.24) Eddy County, New Mexico

Commite ID	Dete	Danth (ft)		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	12/4/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.5
CS-2	12/4/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	75.0
CS-3	12/4/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	79.3
CS-4	12/4/2024	2.5'	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.0
CS-5	12/4/2024	2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	60.6
SW-1	12/4/2024	2.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	55.0
SW-2	12/4/2024	2.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	59.7
SW-3	12/4/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	83.7
SW-4	12/4/2024	2.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	68.1
BACKFILL	12/4/2024	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	72.2
	ory Criteria ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet (CS) Confirmation Sample (SW) SideWall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

COG Operating, LLC



APPENDIX C

CARMONA RESOURCES

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

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Action 407455

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	407455
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites			
Incident ID (n#)	nAPP2433733388		
Incident Name	NAPP2433733388 POTATO BABY 902H @ 0		
Incident Type	Produced Water Release		
Incident Status	Initial C-141 Received		

Location of Release Source

Please answer all the questions in this group.				
Site Name	Potato Baby 902H			
Date Release Discovered	08/08/2024			
Surface Owner	State			

Incident Details

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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 407455

QUESTIONS (continued)				
Operator:	OGRID:			
COG OPERATING LLC	229137			
600 W Illinois Ave	Action Number:			
Midland, TX 79701	407455			
	Action Type:			
	[C-141] Initial C-141 (C-141-v-Initial)			

QUESTIONS

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

Initial Response				
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.				
The source of the release has been stopped	True			
The impacted area has been secured to protect human health and the environment	True			
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True			
All free liquids and recoverable materials have been removed and managed appropriately	True			
If all the actions described above have not been undertaken, explain why	Not answered.			
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 12/02/2024			

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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 407455

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QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	407455
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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

No 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.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	407455
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By		Condition Date
scott.rodgers	None	12/2/2024

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Action 407455

Spill Calculation - On-Pad Surface Pool Spill

Received by OCD: 1/8/20	92549913	0170AM	1	E-F	E Frank and a strengt	Des la list	Page 2000f 149
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated volume of Spill (bbl.)
Rectangle A	20	15	0.0	300.00	0.04	0.00	0.04
Rectangle B	10	10	0.7	100.00	0.40	0.00	0.40
Rectangle C		8		0.00	0.00	0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00
Rectangle F		. 0		0.00	0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00
Rectangle H		î Î		0.00	0.00	0.00	0.00
Rectangle I		1		0.00	0.00	0.00	0.00
Rectangle J	5	e ::::		0.00	0.00	0.00	0.00
Released to Imaging: 2/	7/2025	2:14:25	PM Total Vo	olume Released t	o Unlined Secondar	y Containment:	0.4349 .
				Volume Release	d to Lined Secondar	y Containment:	0.4349

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

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Action 407407

QUESTIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	407407
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2433733388			
Incident Name	NAPP2433733388 POTATO BABY 902H @ 0			
Incident Type	Produced Water Release			
Incident Status	Initial C-141 Received			

Location of Release Source		
Site Name	Potato Baby 902H	
Date Release Discovered	08/08/2024	
Surface Owner	State	

Sampling Event General Information

Please answer all the questions in this group.				
What is the sampling surface area in square feet	1,105			
What is the estimated number of samples that will be gathered	10			
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/04/2024			
Time sampling will commence	03:00 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	Coordinates on C-141			

General Information Phone: (505) 629-6116

CONDITIONS

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	407407
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
jacquih	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.	12/2/2024

CONDITIONS

Action 407407

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APPENDIX D

CARMONA RESOURCES

Received by OCD: 1/8/2025 9:13:17 AM Nearest voater voell COG Operating

145' - Drilled 2017

Legend

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- locitie Radius 0.50 Mile Radius
- l.36 Miles 🌜
- 🍰 2.20 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- Potato Baby 902H (08.08.2024)

55' - GWDB - 04.25.2022

Potato Baby 902H (08.08.2024)

Joogle Earth

Received by OCD: 1/8/2025 9:13:17 AM Hign Karst

COG Operating



Potato Baby 902H (08.08.2024)

Google Earth



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

(A CLW##### in (R=POD has the POD suffix indicates been the POD has been replaced, replaced O=orphaned, C=the file is & no longer serves (quarters are a water right file.) closed) smallest to largest) (meters) (In feet) Well **Depth Water** Sub **POD Number** Code basin County Q64 Q16 Q4 Sec Tws Range X Y **Map Distance Depth** Water Column C 04022 POD2 CUB ED NE NE NE 27 26S 28E 588106.4 3543082.2 2187 250 145 105 C 02160 S7 CUB ED SW SW NW 22 26S 28E 586638.0 3543998.0 * 3354 300 120 180 C 04466 POD1 CUB ED SW SW 29 26S 28E 584327.2 3542357.4 3885 96 33 63 NE

Average Depth to Water: 99 feet

Minimum Depth: 33 feet

Maximum Depth: 145 feet

Record Count: 3

UTM Filters (in meters):

Easting: 587929.46 Northing: 3540902.05 Radius: 4000

* UTM location was derived from PLSS - see Help

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

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			OFFICE OF	THE STATE ENGINEE	BED					
ţ	783 · 1912		<u>www.ose.stat</u>	e.nm.us	<u> 2017</u>	2017 JU	N -5	PH I:	46	
	OSE POD N	NUMBER (WEL	LL NUMBER)	STATE ENGINEER	OFFICE	OSE FILE NU	MBER(S)			· · · ·
GENERAL AND WELL LOCATION		#2		LAS CRUCES	<u>, NM</u>	<u> </u>				
	WELL OWNER NAME(S)					PHONE (OPT				
01. 1	MOSa WELL OW	NER MAILING	ADDRESS	lsbad Inc.		575-6	528-6	279	STATE	ZIP
VEL	P. Q .	Box 7	' 1			Carls	bad	NM	88221	
â	WELI			DEGREES MINUTES SEC	COMDS /				00221	
ALA	LOCATI		TTUDE 3	2 51	4.3 N	* ACCURACY	' REQUIRE	D: ONE TE	NTH OF A SECOND	
NER	(FROM C	SPS) LON	IGITUDE 1	04 4'	1. JW	* DATUM RE	QUIRED: W	/GS 84		
	DESCRIPT	TON RELATIN	G WELL LOCATION T	O STREET ADDRESS AND COMMON LAN	DMARKS – PLSS	(SECTION, TO	WNSHJIP,	RANGE) W	HERE AVAILABLE	
Η.	US 2	85 - 6	5 milesa	N of state line						
	LICENSE N		NAME OF LICENSEI				NAME C	F WELL D	RILLING COMPANY	FT -]]
	WD-1	184	Ronny Ke	ith			West	Tex	<u>as Water</u>	Well Servia
	DRILLING		DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLI	E DEPTH (FT)	DEPTH	WATER FII	RST ENCOUNTEREE) (FT)
	5-8-1	17	5-12-17	250	2	50	STATIC	14		DWELL (PT)
ION							STATIC WATER LEVEL IN COMFLETED WELL			J WELL (FI)
	COMPLETE	D WELL IS:	ARTESIAN	DRY HOLE	CONFINED)			20		
NOIT						oid ou		20		
NULLANN	COMPLETE DRILLING F	FLUID:	ARTESIAN	DRY HOLE SHALLOW (UN MUD ADDITIVES - S) HAMMER CABLE TOOL	PECIFY: Bar	oid Qu	ik-ge			
NFUKMATION	DRILLING F	FLUID:	AIR	MUD ADDITIVES - SI	PÉCIFY: Bar	- SPECIFY:		21		
NG INFORMATION	DRILLING F	FLUID: METHOD:	AIR	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE	PECIFY: Bar OTHER CAS CONNI	SPECIFY: SING ECTION	CAS		CASING WAI THICKNESS	1 0000
ASING INFORMATION	DRILLING H DRILLING M DEPTH	FLUID: METHOD: (feet bgl)	AIR ROTARY BORE HOLE	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR	PECIFY: Bar OTHER CAS CONNI	- SPECIFY:	CAS	sing		S SIZE
G & CASING INFORMATION	DRILLING H DRILLING M DEPTH	FLUID: METHOD: (feet bgl)	AIR ROTARY BORE HOLE DIAM	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and	PECIFY: Bar OTHER CAS CONNI	SPECIFY: SING ECTION	CA: INSIDI (inc	SING E DIAM.	THICKNESS	1 0000
3	DRILLING H DRILLING N DEPTH FROM	FLUID: METHOD: (feet bgl) TO 15	AIR ROTARY BORE HOLE DIAM (inches) 24	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel	PECIFY: Bar OTHER CAS CONNI TY NA	- SPECIFY: SING SCTION 'PE	CAS INSIDI (inc 19	1 SING 3 DIAM. ches) 1-25	THICKNESS (inches)	S SIZE
DRILLING & CASING INFORMATION	DRILLING H DRILLING M DEPTH FROM 0	FLUID: METHOD: (feet bgl) TO	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53	PÉCIFY: Baro OTHER CAS CONNI TY NA welded	- SPECIFY: SING SCTION TPE	CA: INSIDI (inc 19. 12.	21 SING 3 DIAM. ches) 125	THICKNESS (inches) .250 .250	S SIZE (inches)
	DRILLING H DRILLING N DEPTH FROM	FLUID: METHOD: (feet bgI) TO 15 130	AIR ROTARY BORE HOLE DIAM (inches) 24	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53	PECIFY: Bar OTHER CAS CONNI TY NA	- SPECIFY: SING SCTION TPE	CAS INSIDI (inc 19	21 SING 3 DIAM. ches) 125	THICKNESS (inches)	S SIZE (inches)
	DRILLING H DRILLING M DEPTH FROM 0	FLUID: METHOD: (feet bgI) TO 15 130	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53	PÉCIFY: Baro OTHER CAS CONNI TY NA welded	- SPECIFY: SING SCTION TPE	CA: INSIDI (inc 19. 12.	21 SING 3 DIAM. ches) 125	THICKNESS (inches) .250 .250	S SIZE (inches
	DRILLING H DRILLING M DEPTH FROM 0	FLUID: METHOD: (feet bgI) TO 15 130	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53	PÉCIFY: Baro OTHER CAS CONNI TY NA welded	- SPECIFY: SING SCTION TPE	CA: INSIDI (inc 19. 12.	21 SING 3 DIAM. ches) 125	THICKNESS (inches) .250 .250	S SIZE (inches
8	DRILLING H DRILLING M DEPTH FROM 0	FLUID: METHOD: (feet bgI) TO 15 130	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53	PÉCIFY: Baro OTHER CAS CONNI TY NA welded	- SPECIFY: SING SCTION TPE	CA: INSIDI (inc 19. 12.	21 SING 3 DIAM. ches) 125	THICKNESS (inches) .250 .250	S SIZE (inches
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	DRILLING H DRILLING M DEPTH FROM 0 0 130	FLUID: METHOD: (feet bgI) TO 15 130	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53	PECIFY: Bar OTHER CAS CONNI TY NA welded welded	SPECIFY: SING ECTION 'PE	CAS INSIDH (inc 19. 12. 12.	21 SING 3 DIAM. ches) 125	THICKNESS (inches) .250 .250 .250	SIZE (inches
	DRILLING H DRILLING M DEPTH FROM 0 0 130	TUID: METHOD: (feet bgl) TO 15 130 250	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55_steel 12.75" A-53 12.75 A-53	PECIFY: Bar OTHER CAS CONNI TY NA welded welded	SPECIFY: SING ECTION 'PE I I I I I I I I I I I I	CAS INSIDI (inc 19. 12. 12.	21 SING 3 DIAM. ches) 1-25 25 25	THICKNESS (inches) .250 .250 .250 MET	S SIZE (inches
	DRILLING H DRILLING N DEPTH FROM 0 0 130 DEPTH	ELUID: METHOD: (feet bgl) TO 15 130 250 (feet bgl)	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5 17.5 17.5 BORE HOLE	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55_steel 12.75" A-53 12.75 A-53 LIST ANNULAR SEAL M	PECIFY: Bar OTHER CAS CONNI TY NA welded welded	SPECIFY: SING ECTION 'PE I I I I I I I I I I I I	CAS INSIDI (inc 19. 12. 12. 12. 12.	21 SING 3 DIAM. ches) 125 25 25	THICKNESS (inches) .250 .250 .250 MET	SIZE (inches
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	DRILLING H DRILLING H FROM 0 0 130 DEPTH FROM	FLUID: METHOD: (feet bgl) TO 15 130 250 (feet bgl) TO	AIR ROTARY BORE HOLE DIAM (inches) 24 17.5 17.5 BORE HOLE DIAM. (inches) 24 17.5	ADDITIVES - SI HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) 20" J-55 steel 12.75" A-53 12.75 A-53 LIST ANNULAR SEAL M GRAVEL PACK SIZE-RANC	PECIFY: Bar OTHER CAS CONNI TY NA welded welded welded	SPECIFY: SING ECTION PE I I I I VAL	CAS INSIDH (inc 19. 12. 12. 12.	SING 3 DIAM. ches) 1-25 25 25 25 MOUNT ibic feet)	THICKNESS (inches) .250 .250 .250 .250 .250 .250 .250 .250 .250 .250 .250 .250	SIZE (inches) .125

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Ver	sion 10/29/15)
FILE NUMBER (-4027	POD NUMBER	TRN NUMBER 6034	$\partial \mathcal{O}$
LOCATION	265.28E.27.	232	PAGE 1 OF 2

ECE

	DEPTH (TH (feet bgl) THICKNESS TO (feet)		INCLUDE WAT	ER-BEARING CAVITIES OR	NM COUNTERED - FRACTURE ZONE		NG?	ESTIMATED YIELD FOR WATER-
	FROM			(attach su	pplemental sheets to fully des	cribe all units)	(YES /	· ~	BEARING ZONES (gpm)
	0	20	20	Grey shale	<u>& gravel</u>		Y	$\underline{\mathbb{W}}$	
		30	10	Tan sand &	gravel		Y .	Ø	
	30	40	10	Red clay			<u> </u>	\mathbb{Q}	
	40	60	20	Tan sand &	gravel		Y		
ΓΓ	60	70	10	Tan sand		Y			
	. 70	90	20	Yellow & r	ed shale		Y D		
W.	90	100	10	Tan sandy	clay		· Y	0	
Đ.	100	120	20	Tan sand &	shale		Y	Ø	
гŏ	120	130	10	Clay w/ ta	<u>n sand streaks</u>	:	Y	Ø	
GIC	130	140	10	Tan sand w	/ gravel		Y	1	
Ĩ	140	150	10	Shale w/ s	<u>mall gravel &</u>	sand	Y	Ø	
GEC	150	160	10	Tan shale	w/ sandy grave	1			20
DRO	160	180	20	Gravel			<u> </u>	^N 2(
4. HYDROGEOLOGIC LOG OF WELL	180	190	10	Tan sa	nd & gravel			^N 2()
4	190	210	20		<u>low gypsum & l</u>	imestone	<u> </u>		
	210	220	10	Grey limes	tone		Y	Ð	·
	220	230	10		& limestone		Y	Э	
	230	250	20	Limestone			Y	\odot	
	230				-	٤	Y	N	
	-						Y	N	
							Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:		TOTAL ESTIMA		
	PUMP AIR LIFT BAILER OTHER – SPECIFY:					· .	WELL YIELD ((gp1 6)(0	
N	WELL TEST	TEST I START	RESULTS - ATT. I TIME, END TIM	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING WI HOWING DISCHARGE AND	ELL TESTING, INC DRAWDOWN OVE	LUDING DISCH R THE TESTING	ARGE PERIC	THOD p.
/ISI	MISCELLAN	IEOUS INF	ORMATION:		,				
PERV								3	
INS :								elitin Pita Bita	
TEST; RIG SUPERVISION									
TES'	PRINT NAM	E(S) OF DR	ILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVISIO	ON OF WELL CONS	STRUCTION OTH	IER TH	AN LICENSEE;
ю́	k	ussu	1 South	thetet	· · ·				
F 3	THE UNDER	SIGNED H	EREBY CERTIF	IES THAT, TO THE B	EST OF HIS OR HER KNOWI	LEDGE AND BELIE	F, THE FOREGO	ING IS	A TRUE AND
SIGNATURE					D THAT HE OR SHE WILL F PLETION OF WELL DRILLIP		JUND WITH IF	ш 31А)	B BINGHNEEK
NA	_	1 . /		1					
6. SIC	Indi	1 AL	5	Kichard	Ashley		5-15-1	2	
9	· .	SIGNATI	JRE OF DRILLE	R / PRINT SIGNEE			ر .	ATE	
				· · ·		W/D_30 XV/PT	L RECORD & LO		tion 10/20/2015)
	<u>OSE INTERN</u> NUMBER	- 4	022		POD NUMBER 2	TRN NUMBI			0(29(2015)
	ATION			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2105.28E.2	7.220	(000	` `	PAGE 2 OF 2



Project Name :	COG - Copperhead Fee 31E CTB (01.14.22)	Date :	Monday, May 9, 2022
Project No. :	1002	Sampler :	Lane Scarborough
Location :	Eddy County, New Mexico		
Coordinates :	32.002359, -104.031693	Driller :	Scarborough Drilling
Elevation :	2,930'	Method :	Air Rotary

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.) WL	Soil Description	Lithology
		(0') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		50	(50') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	
5		(5') - Red to Brown sandy clay, with 50% medium well-cemented angular gravel, dry, no organics, no odor (GC)		55 	(55') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	
		(10') - Red to Brown sandy clay, with 50% medium well- cemented angular gravel, dry, no organics, no odor (GC)				
15		 (12') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC) (15') - Red to Brown sandy clay, with 50% well-cemented gypsum 		65		
20		 (15) - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC) (20) - Red to Brown sandy clay, with 50% well-cemented gypsum 				
-		fragments, dry, no organics, no odor (SC)				
25		(25') - Red to Brown sandy clay, with 50% well-cemented gypsum fragments, dry, no organics, no odor (SC)		75 		
30		(30') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)	1111114	80 		
35		(35') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		85 		
40		(40') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		90 —		
45		(45') - light-dark brown stiff soft clayey sand with 3% fine loose soft, sub-angular sand, dry, no organics (ML)		95 		
50						

Comments : Boring terminated at 55' at 10:00 AM Central Time with no presence of groundwater or moisture.

Well gauged on 5/13/22 at 11:00 AM Central Time with no detection of groundwater or moisture

Potato Baby 902H (08.08.2024)



World Hillshade

12/17/2024 USA Flood Hazard Areas

1% Annual Chance Flood Hazard



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri,

Potato Baby 902H (08.08.2024)





New Mexico Oil Conservation Division

FEMA, NM OSE

APPENDIX E

CARMONA RESOURCES



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701 Generated 9/12/2024 12:54:43 PM

JOB DESCRIPTION

Potato Baby 902H Ranger 5540 Eddy Co, NM

JOB NUMBER

880-48247-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

See page two for job notes and contact information

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

AMER

Generated 9/12/2024 12:54:43 PM

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

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

Laboratory Job ID: 880-48247-1

SDG: Eddy Co, NM

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Method Summary	17
Sample Summary	18
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ceived by OCL	D: 1/8/2025 9:13:17 AM	Page 36 of 1	149
	Definitions/Glossary		1
Client: Carmon Project/Site: Po	a Resources otato Baby 902H Ranger 5540	Job ID: 880-48247-1 SDG: Eddy Co, NM	2
Qualifiers			3
GC VOA Qualifier	Qualifier Description		
S1-	Surrogate recovery exceeds control limits, low biased.		-
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	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		4
CNF	Contains No Free Liquid		1
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		

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

MDC Minimum Detectable Concentration (Radiochemistry)

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

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

Negative / Absent NEG POS Positive / Present

Practical Quantitation Limit PQL 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
Case Narrative

Client: Carmona Resources Project: Potato Baby 902H Ranger 5540 Job ID: 880-48247-1

Eurofins Midland

Job ID: 880-48247-1

Job Narrative 880-48247-1

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 9/11/2024 9:09 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.25') (880-48247-1) and S-1 (0.5') (880-48247-2).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-90478 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-90478/2).

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-90502/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-48165-A-1-E MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90502 and analytical batch 880-90478 was outside the control limits.

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 sample was outside control limits: (LCS 880-90416/2-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

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-90508 and analytical batch 880-90534 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: S-1 (0-0.25') Date Collected: 09/09/24 00:00

Date Received: 09/11/24 09:09

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 14:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 14:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 14:53	1
n-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/11/24 10:26	09/11/24 14:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 14:53	1
(ylenes, Total	<0.00402	U	0.00402		mg/Kg		09/11/24 10:26	09/11/24 14:53	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-Bromofluorobenzene (Surr)			70 - 130				09/11/24 10:26	09/11/24 14:53	
,4-Difluorobenzene (Surr)	104		70 - 130				09/11/24 10:26	09/11/24 14:53	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/11/24 14:53	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
otal TPH	663		50.0		mg/Kg			09/11/24 16:43	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0		50.0		mg/Kg		09/10/24 14:09	09/11/24 16:43	
GRO)-C6-C10					0 0				
liesel Range Organics (Over 10-C28)	663		50.0		mg/Kg		09/10/24 14:09	09/11/24 16:43	
Dil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/24 14:09	09/11/24 16:43	
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-Chlorooctane	105		70 - 130				09/10/24 14:09	09/11/24 16:43	
-Terphenyl	111		70 - 130				09/10/24 14:09	09/11/24 16:43	
lethod: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	1030		24.9		mg/Kg			09/11/24 22:53	
ient Sample ID: S-1 (0.5')							Lab Sam	ple ID: 880-4	8247-2
te Collected: 09/09/24 00:00 te Received: 09/11/24 09:09								Matri	x: Soli
	0								
Method: SW846 8021B - Volatile		OUNDS (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
•						_		· ,=	

Benzene <0.00202 U 0.00202 mg/Kg 09/11/24 10:26 09/11/24 15:20 Toluene 09/11/24 10:26 <0.00202 U 0.00202 mg/Kg 09/11/24 15:20 Ethylbenzene <0.00202 U 0.00202 mg/Kg 09/11/24 10:26 09/11/24 15:20 m-Xylene & p-Xylene <0.00404 U 0.00404 mg/Kg 09/11/24 10:26 09/11/24 15:20 o-Xylene <0.00202 U 0.00202 mg/Kg 09/11/24 10:26 09/11/24 15:20 <0.00404 U 0.00404 09/11/24 10:26 09/11/24 15:20 Xylenes, Total mg/Kg %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 102 70 - 130 09/11/24 10:26 09/11/24 15:20 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 90 70 - 130 09/11/24 10:26 09/11/24 15:20

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Job ID: 880-48247-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48247-1

Matrix: Solid

5

Released to Imaging: 2/17/2025 2:14:25 PM

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Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-48247-1 SDG: Eddy Co, NM

Matrix: Solid

Lab Sample ID: 880-48247-2

Client Sample ID: S-1 (0.5') Date Collected: 09/09/24 00:00

Date Received: 09/11/24 09:09

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/11/24 15:20	1	ī
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	3820		49.8		mg/Kg			09/11/24 17:00	1	4
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	i
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		09/10/24 14:09	09/11/24 17:00	1	
(GRO)-C6-C10										1
Diesel Range Organics (Over	3820		49.8		mg/Kg		09/10/24 14:09	09/11/24 17:00	1	
C10-C28)										
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/24 14:09	09/11/24 17:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	113		70 - 130				09/10/24 14:09	09/11/24 17:00	1	
o-Terphenyl	115		70 - 130				09/10/24 14:09	09/11/24 17:00	1	
Mothody EDA 200.0 Aniona Jan	Chromotogram	by Colub								
Method: EPA 300.0 - Anions, Ion		Qualifier	RL	MDI	Unit		Bronarad	Applyzod	Dil Fac	
Analyte		Quaimer		MDL		D	Prepared	Analyzed		
Chloride	1280		24.8		mg/Kg			09/11/24 23:00	5	

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
mple ID	Client Sample ID	(70-130)	(70-130)	
5-A-1-D MS	Matrix Spike	103	103	
5-A-1-E MSD	Matrix Spike Duplicate	131 S1+	108	
247-1	S-1 (0-0.25')	113	104	
7-2	S-1 (0.5')	102	90	
90502/1-A	Lab Control Sample	137 S1+	91	
80-90502/2-A	Lab Control Sample Dup	119	88	
90502/5-A	Method Blank	61 S1-	103	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
mple ID	Client Sample ID	(70-130)	(70-130)	
7-1	S-1 (0-0.25')	105	111	
247-2	S-1 (0.5')	113	115	
077-A-16-B MS	Matrix Spike	98	106	
'-A-16-C MSD	Matrix Spike Duplicate	94	103	
90416/2-A	Lab Control Sample	115	131 S1+	
80-90416/3-A	Lab Control Sample Dup	114	130	
0-90416/1-A	Method Blank	120	124	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 880-48247-1 SDG: Eddy Co, NM

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Prep Type: Total/NA

Lab Sample ID: MB 880-90502/5-A

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 90478								Prep Type: 1 Prep Batch	
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130				09/11/24 10:26	09/11/24 12:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/11/24 10:26	09/11/24 12:39	1

Lab Sample ID: LCS 880-90502/1-A Matrix: Solid

Analysis Batch: 90478

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09641		mg/Kg		96	70 - 130	
Toluene	0.100	0.1071		mg/Kg		107	70 - 130	
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130	
m-Xylene & p-Xylene	0.200	0.2307		mg/Kg		115	70 - 130	
o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-90502/2-A

Matrix: Solid

Analysis Batch: 90478							Prep	Batch:	90502
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09749		mg/Kg		97	70 - 130	1	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		108	70 - 130	7	35
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	7	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-48165-A-1-D MS

Matrix: Solid

Analysis Batch: 90478									Pre	p Batch: 90502
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1158		mg/Kg		116	70 - 130	
Toluene	<0.00200	U	0.100	0.07906		mg/Kg		79	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 90502

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QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48247-1 SDG: Eddy Co, NM

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

Matrix: Solid Analysis Batch: 90478 Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Sample Result	Qual U U MS Qual U	lifier	Spike Added 0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 Spike Added 0.100	0.0744 0.152 0.0738 MS	t Qua		Unit	lien	nt Sar	%Rec 74 76 74 mple ID:	%Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	Batch: ·	90502
Analyte Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00200 <0.00399 <0.00200 MS %Recovery 103 103 5 MSD Sample Result <0.00200 <0.00200 <0.00200 <0.00200	Qual U U MS Qual U	lifier	Added 0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added	Resu 0.0744 0.152 0.0738 0.0738 MS Resu	t Qua		mg/Kg mg/Kg mg/Kg C	lien	nt Sar	74 76 74	%Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	ike Dup /pe: Tot Batch: 1	plicate tal/N/ 90503 RPI
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00200 <0.00399 <0.00200 MS %Recovery 103 103 5 MSD Sample Result <0.00200 <0.00200 <0.00200 <0.00200	Qual U U MS Qual U	lifier	Added 0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added	Resu 0.0744 0.152 0.0738 0.0738 MS Resu	t Qua		mg/Kg mg/Kg mg/Kg C	lien	nt Sar	74 76 74	Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 -	/pe: To Batch:	tal/N/ 9050 RPI
Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> <i>1,4-Difluorobenzene (Surr)</i> Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00200 <0.00399 <0.00200 <i>MS</i> %Recovery 103 103 103 E MSD Sample Result <0.00200 <0.00200	U U MS Qual	lifier	0.100 0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 70 - 130 Spike Added	0.0744 0.152 0.0738 MS Resu) 4 t Qua		mg/Kg mg/Kg mg/Kg C	lien	nt Sar	74 76 74	70 - 130 70 - 130 70 - 130 70 - 130 Matrix Spi Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
m-Xylene & p-Xylene o-Xylene 4-Bromofiluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00399 <0.00200 <i>MS</i> %Recovery 103 103 E MSD Sample Result <0.00200 <0.00200	U U MS Qual Qual	ple	0.200 0.100 <i>Limits</i> 70 - 130 70 - 130 Spike Added	0.152 0.0738 MS Resu) 1 t Qua		mg/Kg mg/Kg C	lien		76 74 mple ID:	70 - 130 70 - 130 Matrix Spi Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00200 MS %Recovery 103 103 E MSD Sample Result <0.00200 <0.00200	U MS Qual Sam Qual U	ple	0.100 <i>Limits</i> 70 - 130 70 - 130 Spike Added	0.0738 MS Resu) MSE		mg/Kg C Unit	lien		74 mple ID:	70 - 130 Matrix Sp Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	MS %Recovery 103 103 E MSD Sample Result <0.00200 <0.00200	MS Qual Sam Qual U	ple	Limits 70 - 130 70 - 130 Spike Added	MS Resu) MSE		C	lien		mple ID:	Matrix Spi Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene	%Recovery 103 103 E MSD Sample Result <0.00200 <0.00200	Qual Sam Qual U	ple	70 - 130 70 - 130 Spike Added	Resu	t Qua		Unit	lien		·	Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 9050 RPI
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	103 103 103 E MSD Sample Result <0.00200 <0.00200	Sam Qual	ple	70 - 130 70 - 130 Spike Added	Resu	t Qua		Unit	lien		·	Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene	103 E MSD Sample Result <0.00200 <0.00200	Qual U	•	70 ₋ 130 Spike Added	Resu	t Qua		Unit	lien		·	Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
Lab Sample ID: 880-48165-A-1-E Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	E MSD Sample Result <0.00200 <0.00200	Qual U	•	Spike Added	Resu	t Qua		Unit	lien		·	Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00200 <0.00200	Qual U	•	Added	Resu	t Qua		Unit	lien		·	Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
Matrix: Solid Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00200 <0.00200	Qual U	•	Added	Resu	t Qua		Unit			·	Prep Ty Prep %Rec Limits	/pe: To Batch:	tal/N/ 90502 RPI
Analysis Batch: 90478 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00200 <0.00200	Qual U	•	Added	Resu	t Qua				D	%Rec	Prep %Rec Limits	Batch:	90502 RPI
Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene	Result <0.00200 <0.00200	Qual U	•	Added	Resu	t Qua				D	%Rec	%Rec Limits		RPI
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00200 <0.00200	U	lifier				alifier			D	%Rec		RPD	Lim
Benzene Foluene Ethylbenzene n-Xylene & p-Xylene	<0.00200			0.100	0.101	- <u> </u>								
Ethylbenzene n-Xylene & p-Xylene		U						mg/Kg			102	70 - 130	13	3
m-Xylene & p-Xylene				0.100	0.0955			mg/Kg			96	70 - 130	19	3
m-Xylene & p-Xylene	<u>~0.00200</u>	U		0.100	0.0988	1		mg/Kg			99	70 - 130	28	3
	<0.00399			0.200	0.203			mg/Kg			102	70 - 130	28	3
	<0.00200			0.100	0.0993			mg/Kg			99	70 - 130	29	3
	MSD	MSD	,											
Surrogate	%Recovery			Limits										
4-Bromofluorobenzene (Surr)	131			70 - 130										
1,4-Difluorobenzene (Surr)	108	01		70 - 130										
· · ·														
lethod: 8015B NM - Diesel I	Range O	rgan	nics (DF	(GC)										
Lab Sample ID: MB 880-90416/1-	- A									C	Client Sa	ample ID: N	lethod	Blanl
Matrix: Solid												Prep Ty	/pe: Tot	tal/N/
Analysis Batch: 90474												Prep	Batch:	9041
		MB	MB											
Analyte	R	esult	Qualifier		RL	MDL	Unit		D	Pre	epared	Analyze	d	Dil Fa
Gasoline Range Organics GRO)-C6-C10		<50.0	U		50.0		mg/Kg]		09/10/	/24 14:09	09/11/24 0	8:44	
Diesel Range Organics (Over	<	<50.0	U		50.0		mg/Kg)		09/10/	/24 14:09	09/11/24 0	8:44	
C10-C28) Oil Range Organics (Over C28-C36)	4	<50.0	U		50.0		mg/Kg	1		09/10/	/24 14:09	09/11/24 0	8·44	
		-30.0 MB			00.0		ing/itt	9		55/10/	LT 17.00	00/11/24 0		

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: LCS 880-90416/2-A Matrix: Solid

Analysis Batch: 90474							Prep Ba	tch: 90416
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1133		mg/Kg		113	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1227		mg/Kg		123	70 - 130	
C10-C28)								

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

09/10/24 14:09 09/11/24 08:44

Analyzed

09/11/24 08:44

Prepared

09/10/24 14:09

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QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

SDG: Eddy Co, NM

Lab Sample ID: LCS 880-904 Matrix: Solid	416/2-A						Client	Sample	D: Lab Co Prop 1	ontrol Sa Type: Tot	
Analysis Batch: 90474										Batch:	
									i i op	Batom	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	131	S1+	70 - 130								
Lab Sample ID: LCSD 880-9	0416/3-A					Clier	nt Sam	ple ID:	Lab Contro	I Sample	e Du
Matrix: Solid								· · · ·		· ype: Tot	
Analysis Batch: 90474										Batch:	
			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			1000	1140		mg/Kg		114	70 - 130	1	2
(GRO)-C6-C10											
Diesel Range Organics (Over			1000	1225		mg/Kg		122	70 - 130	0	2
C10-C28)											
	1.000	LCSD									
			,								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	130		70 - 130								
Lab Sample ID: 890-7077-A-	16-B MS							Client	Sample ID	: Matrix	Spik
Matrix: Solid									Prep 1	ype: Tot	al/N/
Analysis Batch: 90474										Batch:	
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U	999	1045		mg/Kg		105	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1023		mg/Kg		102	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	106		70 _ 130								
Lab Comple ID: 200 7077 A	46 C MCD							succession of the	Matrix Cr		liest
Lab Sample ID: 890-7077-A-							ient Sa): Matrix Sp	-	
Matrix: Solid										ype: Tot	
Analysis Batch: 90474	0	Commis	0 11		MOD					Batch:	
A		Sample	Spike		MSD	11 14	_	0/ F	%Rec		RP
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	998.9		mg/Kg		100	70 - 130	5	20
Diesel Range Organics (Over	<49.9	U	999	987.0		mg/Kg		99	70 - 130	4	2
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Surrogate 1-Chlorooctane		Qualifier	Limits								

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48247-1 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-90508/1-A											Client S	Sample ID	· Method	Blank
Matrix: Solid													p Type: S	
Analysis Batch: 90534												110	p Type. o	
Analysis Daton. 50554	мв	мв												
Analyte		Qualifier		RL		MDL	Unit		D	Pr	epared	Anal	vzed	Dil Fac
Chloride	<5.00	U		5.00			mg/Kg					09/11/2		1
Lab Sample ID: LCS 880-90508/2-A									Clie	ent	Sample	D: Lab	Control S	ample
Matrix: Solid												Pre	p Type: S	oluble
Analysis Batch: 90534														
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Quali	ifier	Unit	I	D	%Rec	Limits		
Chloride			250		234.0			mg/Kg			94	90 - 110		
Lab Sample ID: LCSD 880-90508/3-A								Cli	ent Sa	am	ple ID:	Lab Cont		
Matrix: Solid												Pre	p Type: S	oluble
Analysis Batch: 90534							_							
			Spike		LCSD		-			_		%Rec		RPD
Analyte			Added		Result	Quali	fier	Unit		D .	%Rec	Limits	RPD	Limit
Chloride			250		234.0			mg/Kg			94	90 - 110	0	20
Lab Sample ID: 880-48245-A-36-C MS											Client	Sample I	D: Matrix	Spike
Matrix: Solid													p Type: S	
Analysis Batch: 90534														
-	le Sam	nple	Spike		MS	MS						%Rec		
Analyte Resu	ult Qua	lifier	Added		Result	Quali	ifier	Unit	1	D	%Rec	Limits		
Chloride 255	50 F1		1240		4276	F1		mg/Kg			139	90 - 110		
Lab Sample ID: 880-48245-A-36-D MSD								0	Client	Sa	mple IC	D: Matrix S		
Matrix: Solid												Pre	p Type: S	oluble
Analysis Batch: 90534														
Samp	le Sam	nple	Spike		MSD	MSD						%Rec		RPD
	ult Qua	lifier	Added 1240		Result 4279	Quali	ifier	Unit mg/Kg		D	%Rec 139	Limits		

Eurofins Midland

QC Association Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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Job ID: 880-48247-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 90478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48247-1	S-1 (0-0.25')	Total/NA	Solid	8021B	90502
880-48247-2	S-1 (0.5')	Total/NA	Solid	8021B	90502
MB 880-90502/5-A	Method Blank	Total/NA	Solid	8021B	90502
LCS 880-90502/1-A	Lab Control Sample	Total/NA	Solid	8021B	90502
LCSD 880-90502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90502
880-48165-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	90502
880-48165-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	90502

Prep Batch: 90502

000-40103-A-1-L MSD	Matrix Spike Dupicate	Iotai/NA	Solid	00210	90302	0
Prep Batch: 90502						0
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	9
880-48247-1	S-1 (0-0.25')	Total/NA	Solid	5035		
880-48247-2	S-1 (0.5')	Total/NA	Solid	5035		10
MB 880-90502/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-90502/1-A	Lab Control Sample	Total/NA	Solid	5035		11
LCSD 880-90502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
880-48165-A-1-D MS	Matrix Spike	Total/NA	Solid	5035		12
880-48165-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		
Analysis Batch: 90601						13

Analysis Batch: 90601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48247-1	S-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-48247-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 90416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48247-1	S-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-48247-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-90416/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90416/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90416/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7077-A-16-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7077-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48247-1	S-1 (0-0.25')	Total/NA	Solid	8015B NM	90416
880-48247-2	S-1 (0.5')	Total/NA	Solid	8015B NM	90416
MB 880-90416/1-A	Method Blank	Total/NA	Solid	8015B NM	90416
LCS 880-90416/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90416
LCSD 880-90416/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90416
890-7077-A-16-B MS	Matrix Spike	Total/NA	Solid	8015B NM	90416
890-7077-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90416

Analysis Batch: 90599

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-48247-1	S-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-48247-2	S-1 (0.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48247-1 SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 90508

ach Batch: 90508					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-48247-1	S-1 (0-0.25')	Soluble	Solid	DI Leach	
380-48247-2	S-1 (0.5')	Soluble	Solid	DI Leach	
MB 880-90508/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-90508/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-90508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-48245-A-36-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-48245-A-36-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 90534

880-48245-A-36-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
Analysis Batch: 90534						8
Lab Sample ID 880-48247-1	Client Sample ID S-1 (0-0.25')	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 90508	9
880-48247-2	S-1 (0.5')	Soluble	Solid	300.0	90508	
MB 880-90508/1-A	Method Blank	Soluble	Solid	300.0	90508	
LCS 880-90508/2-A	Lab Control Sample	Soluble	Solid	300.0	90508	
LCSD 880-90508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90508	
880-48245-A-36-C MS	Matrix Spike	Soluble	Solid	300.0	90508	
880-48245-A-36-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	90508	
						13

Eurofins Midland

Client Sample ID: S-1 (0-0.25')

Date Collected: 09/09/24 00:00

Date Received: 09/11/24 09:09

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Project/Site: Potato Baby 902H Ranger 5540

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Client: Carmona Resources

Initial

Amount

4.98 g

5 mL

10.01 g

1 uL

5.02 g

50 mL

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Batch

90502

90478

90601

90599

90416

90474

90508

90534

Number

Dil

1

1

1

1

5

Factor

Run

Job ID: 880-48247-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48247-1

Analyst

MNR

MNR

SM

SM

EL

TKC

SA

СН

Prepared

or Analyzed

09/11/24 10:26

09/11/24 14:53

09/11/24 14:53

09/11/24 16:43

09/10/24 14:09

09/11/24 16:43

09/11/24 10:51

09/11/24 22:53

Matrix: Solid

Lab

EET MID

9

EET MID Lab Sample ID: 880-48247-2 Matrix: Solid

Client Sample ID: S-1 (0.5') Date Collected: 09/09/24 00:00

Date Received: 09/11/24 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	90502	09/11/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90478	09/11/24 15:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90601	09/11/24 15:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			90599	09/11/24 17:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	90416	09/10/24 14:09	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90474	09/11/24 17:00	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	90508	09/11/24 10:51	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	90534	09/11/24 23:00	СН	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48247-1 SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date	
exas	NELA	Р	T104704400	06-30-25	
The following analy	as are included in this report by	it the laboratory is not certif	ied by the governing authority. This list	may include analyte	
for which the agenc	does not offer certification.	·			
for which the agenc Analysis Method		Matrix	Analyte		
for which the agenc	does not offer certification.	·			

Eurofins Midland

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Job ID: 880-48247-1 SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
EPA = US	STM International Environmental Protection Agency	on Neuropher 1006 And Its Undeter	
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edit = TestAmerica Laboratories, Standard Operating Procedure	on, November 1966 And its Opdates.	
Laboratory R			
	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Laboratory References:

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Job ID: 880-48247-1 SDG: Eddy Co, NM

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48247-1	S-1 (0-0.25')	Solid	09/09/24 00:00	09/11/24 09:09
880-48247-2	S-1 (0.5')	Solid	09/09/24 00:00	09/11/24 09:09

				0	Chain of		Custody			8804	880-48247 Chain of Custody	ristody.	
Project Manager.	Conner Moehring			Bill to: (if different)	0	Carmona Resources	esources			Wor	Page	Page_1of ments	-
	Carmona Resources			Company Name:						Program: UST/PST DRP Brownfields RRC	P Brownfields	CRC Uperfund	D puny
	310 W Wall St Ste 500			Address:						State of Project:			
City, State ZIP:	Midland, TX 79701			City, State ZIP:						Reporting:Level II Level II		🛛 RRP 🛛 Level IV 🛛	
	432-813-6823		Email:	Email: mcarmona@carmonaresources.com	armonareso	Irces.co	ci			Deliverables: EDD		Other:	
Project Name:	Potato Baby 902H Ranger 5540	Ranger 5540	Tum	Turn Around				ANA	ANALYSIS REQUEST	UEST		Preservative Codes	les
Project Number:	2502		C Routine	🖾 Rush	Pres.	-					None: NO	NO DI Water: H ₂ O	er: H ₂ O
Project Location	Eddy Co, NM	MN	Due Date:	72 Hrs							Cool: Cool		Me
Sampler's Name:	CMM					мво			-		HCL: HC		NH
PO#: SAMPI F RECEIPT	-	Vac No	Mat Ice:	Moe No	sters		0				H2S04: H2 H-POC HP	H ₂ NaOH: Na	R
Received Intact:	Yes No	Thermometer ID:		11	eme.	-	1 0 30				NaHS	NaHSOA: NABIS	
Cooler Custody Seals:	Yes	Correction Factor.		() ()	Pai	екс в хэ.	lorid				Na ₂ S ₂	Na2S2Oa: NaSOa	
Sample Custody Seal	Yes	Temperature Reading:	ading:	1.3			40				Zn Ac	Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	erature:	r. 1-		F08 H					NaOH	NaOH+Ascorbic Acid: SAPC	NPC
Sample Identification	tification Date	Time	Soil	Water Comp	# of Cont	ЧЧТ					•	Sample Comments	nts
S-1 (0-0.25')	.25') 9/92024	4	×	σ	-		×						
S-1 (0.5')		4	×	σ	-	××	×						
						$\left \cdot \right $							Π
						_				_			
						_							Τ
						+			+		+		
						┢							
						$\left \right $							
						-							
Comments: Email	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	rmona@carmona	resources.com	i and Conner N	floehring / (moehri	1g@carmo	naresource	S.com				
	Relinquishe	Relinquished by: (Signature)			ă	Date/Time			Rec	Received by: (Signature)		Date/Time	le
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							+		7	7		-	
							13 14	12	ГО 11	7 8 9	5 6		

Received by OCD: 1/8/2025 9:13:17 AM

Job Number: 880-48247-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 48247 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	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701 Generated 9/12/2024 12:50:38 PM

JOB DESCRIPTION

Potato Baby 902H Ranger 5540 Eddy Co, NM

JOB NUMBER

880-48248-1

ËOL

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

AMER

Generated 9/12/2024 12:50:38 PM

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

SDG: Eddy Co, NM

Laboratory Job ID: 880-48248-1

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Method Summary	18
Sample Summary	19
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	Definitions/Glossary		1
	na Resources	Job ID: 880-48248-1	
Project/Site: F	Potato Baby 902H Ranger 5540	SDG: Eddy Co, NM	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
S1-	Surrogate recovery exceeds control limits, low biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		5
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO	λ		
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			8
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		9
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		4
CNF	Contains No Free Liquid		

 Dil Fac
 Dilution Factor

 DL
 Detection Limit (DoD/DOE)

Duplicate Error Ratio (normalized absolute difference)

DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
----------------	-------------------------------------------------------------------------------------------------------------

DLC Decision Level Concentration (Radiochemistry)

 EDL
 Estimated Detection Limit (Dioxin)

 LOD
 Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

DER

 NC
 Not Calculated

 ND
 Not Detected at the reporting

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

NEGNegative / AbsentPOSPositive / Present

PQL Practical Quantitation Limit PRES Presumptive

QC Quality Control RER Relative Error Ratio (Radiochemistry)

- RL Reporting Limit or Requested Limit (Radiochemistry)
- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF Toxicity Equivalent Factor (Dioxin)
- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Project: Potato Baby 902H Ranger 5540 Job ID: 880-48248-1

Eurofins Midland

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Job ID: 880-48248-1

Job Narrative 880-48248-1

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 9/11/2024 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-48248-1), H-2 (0-0.5') (880-48248-2) and H-3 (0-0.5') (880-48248-3).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-90478 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-90478/2).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-90502 and analytical batch 880-90478 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-90502/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-48165-A-1-E MSD). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: H-2 (0-0.5') (880-48248-2). Percent recoveries are based on the amount spiked.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-90508 and analytical batch 880-90534 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: H-1 (0-0.5') Date Collected: 09/09/24 00:00

Date Received: 09/11/24 09:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 13:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 13:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 13:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/11/24 10:26	09/11/24 13:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/11/24 10:26	09/11/24 13:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/11/24 10:26	09/11/24 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/11/24 10:26	09/11/24 13:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/11/24 10:26	09/11/24 13:32	1
Method: TAL SOP Total BTEX - T									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/11/24 13:32	1
Method: SW846 8015 NM - Diese									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	116		50.0		mg/Kg			09/11/24 18:25	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics 'GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/11/24 10:57	09/11/24 18:25	1
Diesel Range Organics (Over C10-C28)	116		50.0		mg/Kg		09/11/24 10:57	09/11/24 18:25	1
Dil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/11/24 10:57	09/11/24 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/11/24 10:57	09/11/24 18:25	1
o-Terphenyl	97		70 - 130				09/11/24 10:57	09/11/24 18:25	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	443		24.9		mg/Kg			09/11/24 23:19	5
lient Sample ID: H-2 (0-0.5"))						Lab Sam	ple ID: 880-4	8248-2
ate Collected: 09/09/24 00:00								Matri	x: Solid
ate Received: 09/11/24 09:50									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 13:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 13:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 13:59	1
,	0.00200								

<0.00399	U	0.00399	mg/Kg	09/11/24 10:26	09/11/24 13:59	1
<0.00200	U	0.00200	mg/Kg	09/11/24 10:26	09/11/24 13:59	1
<0.00399	U	0.00399	mg/Kg	09/11/24 10:26	09/11/24 13:59	1
%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
109		70 - 130		09/11/24 10:26	09/11/24 13:59	1
96		70 - 130		09/11/24 10:26	09/11/24 13:59	1
	<0.00200 <0.00399 		<0.00200	<0.00200 U 0.00200 mg/Kg <0.00399 U 0.00399 mg/Kg %Recovery Qualifier Limits 70 - 130	<0.00200	<0.00200

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Job ID: 880-48248-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48248-1

Matrix: Solid

5

Client Sample Results

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Job ID: 880-48248-1 SDG: Eddy Co, NM

Matrix: Solid

5

Lab Sample ID: 880-48248-2

Client Sample ID: H-2 (0-0.5') Date Collected: 09/09/24 00:00

Project/Site: Potato Baby 902H Ranger 5540

Date Received: 09/11/24 09:50

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/11/24 13:59	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	150		49.9		mg/Kg			09/11/24 18:39	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/11/24 10:57	09/11/24 18:39	
(GRO)-C6-C10									
Diesel Range Organics (Over	150		49.9		mg/Kg		09/11/24 10:57	09/11/24 18:39	
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/11/24 10:57	09/11/24 18:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	144	S1+	70 - 130				09/11/24 10:57	09/11/24 18:39	
o-Terphenyl	146	S1+	70 - 130				09/11/24 10:57	09/11/24 18:39	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	585		4.95		mg/Kg			09/11/24 23:25	

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

Date Collected: 09/09/24 00:00 Date Received: 09/11/24 09:50

ab Sample ID: 880-48248-3 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/11/24 10:26	09/11/24 14:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/11/24 10:26	09/11/24 14:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/11/24 10:26	09/11/24 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/11/24 10:26	09/11/24 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/11/24 10:26	09/11/24 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/11/24 10:26	09/11/24 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/11/24 10:26	09/11/24 14:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/11/24 10:26	09/11/24 14:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/11/24 14:26	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (C	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/11/24 18:54	1
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
					Unit	D	Prepared	Analyzed	
	Result	Qualifier	RL	MDL	Unit	U	Flepaleu	Analyzea	Dil Fac
Analyte	Result <49.8		49.8 H	MDL	mg/Kg		09/11/24 10:57	09/11/24 18:54	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10				MDL					Dil Fac 1

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Client Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: H-3 (0-0.5') Date Collected: 09/09/24 00:00

Date Received: 09/11/24 09:50

Job ID: 880-48248-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48248-3

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/11/24 10:57	09/11/24 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/11/24 10:57	09/11/24 18:54	1
p-Terphenyl	109		70 - 130				09/11/24 10:57	09/11/24 18:54	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	744		5.03		mg/Kg			09/11/24 23:32	1

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

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
mple ID	Client Sample ID	(70-130)	(70-130)	
165-A-1-D MS	Matrix Spike	103	103	
165-A-1-E MSD	Matrix Spike Duplicate	131 S1+	108	
8248-1	H-1 (0-0.5')	106	93	
8248-2	H-2 (0-0.5')	109	96	
8248-3	H-3 (0-0.5')	105	92	
380-90502/1-A	Lab Control Sample	137 S1+	91	
880-90502/2-A	Lab Control Sample Dup	119	88	
880-90502/5-A	Method Blank	61 S1-	103	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-48246-A-1-C MS	Matrix Spike	110	101
880-48246-A-1-D MSD	Matrix Spike Duplicate	99	92
880-48248-1	H-1 (0-0.5')	95	97
880-48248-2	H-2 (0-0.5')	144 S1+	146 S1+
880-48248-3	H-3 (0-0.5')	108	109
LCS 880-90510/2-A	Lab Control Sample	106	101
LCSD 880-90510/3-A	Lab Control Sample Dup	106	100
MB 880-90510/1-A	Method Blank	76	80

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

5 6 7

Job ID: 880-48248-1 SDG: Eddy Co, NM

Prep Type: Total/NA

Lab Sample ID: MB 880-90502/5-A

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 90478								Prep Type: 1 Prep Batch	
-	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/11/24 10:26	09/11/24 12:39	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130				09/11/24 10:26	09/11/24 12:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/11/24 10:26	09/11/24 12:39	1

Lab Sample ID: LCS 880-90502/1-A Matrix: Solid

Analysis Batch: 90478

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09641		mg/Kg		96	70 - 130	
Toluene	0.100	0.1071		mg/Kg		107	70 - 130	
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130	
m-Xylene & p-Xylene	0.200	0.2307		mg/Kg		115	70 - 130	
o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-90502/2-A

Matrix: Solid

Analysis Batch: 90478							Prep	Batch:	90502
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09749		mg/Kg		97	70 - 130	1	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2150		mg/Kg		108	70 - 130	7	35
o-Xylene	0.100	0.1052		mg/Kg		105	70 - 130	7	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-48165-A-1-D MS

Matrix: Solid -----

Analysis Batch: 90478									Prep	p Batch: 9050	12
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U	0.100	0.1158		mg/Kg		116	70 - 130		
Toluene	<0.00200	U	0.100	0.07906		mg/Kg		79	70 - 130		

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

SDG: Eddy Co, NM

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48248-1 SDG: Eddy Co, NM

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

Lab Sample ID: 880-48165-4	A-1-D MS								Client S	Sample ID:	Matrix	: Spike
Matrix: Solid										Prep T	ype: To	otal/NA
Analysis Batch: 90478										Prep	Batch:	90502
	Sample	Sample	Spike	MS	MS					%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Ethylbenzene	< 0.00200	U	0.100	0.07448		mg/Kg		_	74	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1529		mg/Kg			76	70 - 130		
p-Xylene	<0.00200	U	0.100	0.07384		mg/Kg			74	70 - 130		
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)			70 - 130									
1,4-Difluorobenzene (Surr)	103		70 - 130									
Lab Sample ID: 880-48165-4	A-1-E MSD						Clier	nt Sa	ample ID:	Matrix Sp	ike Du	plicate
Matrix: Solid										Prep T	ype: To	otal/NA
Analysis Batch: 90478											Batch:	
-	Sample	Sample	Spike	MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Benzene	<0.00200	U	0.100	0.1016		mg/Kg		_	102	70 - 130	13	3
Toluene	<0.00200	U	0.100	0.09557		mg/Kg			96	70 - 130	19	3
Ethylbenzene	<0.00200	U	0.100	0.09884		mg/Kg			99	70 - 130	28	3
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2036		mg/Kg			102	70 - 130	28	3
o-Xylene	<0.00200	U	0.100	0.09936		mg/Kg			99	70 - 130	29	38
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130									
1,4-Difluorobenzene (Surr)	108		70 - 130									
lethod: 8015B NM - Die	sel Range O	rganics (I	DRO) (GC)									
Lab Sample ID: MB 880-905	10/1_A								Client Se	ample ID: N	Method	Blani
Matrix: Solid											ype: To	
Analysis Batch: 90528											Batch:	
Analysis Batch. 90520		МВ МВ								Fleb	Datch.	90510
Analyte	R	esult Qualifie	er.	RL	MDL Uni	t	D	Р	repared	Analyze	ed	Dil Fa
Gasoline Range Organics		<50.0 U		0.0	mg,				1/24 08:00	09/11/24 0		Dirta
(GRO)-C6-C10												
Diesel Range Organics (Over	<	<50.0 U	50	0.0	mg	Ka		09/1	1/24 08:00	09/11/24 0	18.11	

	МВ	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	09/11/24 08:00	09/11/24 08:41	1
o-Terphenyl	80		70 - 130	09/11/24 08:00	09/11/24 08:41	1

mg/Kg

09/11/24 08:00

09/11/24 08:41

1

50.0

<50.0 U

Lab Sample ID: LCS 880-90510/2-A Matrix: Solid Analysis Batch: 90528			Client Sampl				le ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 90510	
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	860.4		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	801.6		mg/Kg		80	70 - 130	

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C10-C28)

C10-C28)

Oil Range Organics (Over C28-C36)

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

		• ·	/ / / /		,						
Lab Sample ID: LCS 880-9051	0/2-A						Client	Sample	ID: Lab C		
Matrix: Solid										ype: Tot	
Analysis Batch: 90528									Prep	Batch:	90510
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	101		70 - 130								
Lab Sample ID: LCSD 880-90	510/3-A					Clier	nt Sam	nple ID: I	Lab Contro	l Sample	e Dup
Matrix: Solid										ype: Tot	
Analysis Batch: 90528										Batch:	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics			1000	874.9		mg/Kg		87	70 - 130	2	20
(GRO)-C6-C10 Diesel Range Organics (Over			1000	812.7		malka		81	70 - 130	1	20
C10-C28)			1000	012.7		mg/Kg		01	70 - 130	I	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	100		70 - 130								
- Lab Sample ID: 880-48246-A- [,]	1-C MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Type: Tot	
Analysis Batch: 90528										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1113		mg/Kg		112	70 - 130		
Diesel Range Organics (Over	129		996	1200		mg/Kg		108	70 - 130		
C10-C28)											
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	101		70 - 130								
- Lab Sample ID: 880-48246-A- ⁻	1-D MSD					Cli	ient Sa	ample ID): Matrix Sp	oike Dup	licate
Matrix: Solid									Prep 1	Type: Tot	al/NA
Analysis Batch: 90528										Batch:	
									a/ B		RPD
	Sample	Sample	Spike	MSD	MSD				%Rec		
Analyte	•	Sample Qualifier	Spike Added		MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics	•	Qualifier	-			Unit mg/Kg	D	% Rec		RPD 13	
Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier	Added 996	Result 974.4		mg/Kg	D	98	Limits 70 - 130	13	Limit 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier	Added	Result			<u>D</u>		Limits		Limit
Gasoline Range Organics	Result <50.0	Qualifier	Added 996	Result 974.4		mg/Kg	<u>D</u>	98	Limits 70 - 130	13	Limit 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U	Added 996	Result 974.4		mg/Kg	<u>D</u>	98	Limits 70 - 130	13	Limit 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 129 MSD	Qualifier U	Added	Result 974.4		mg/Kg	<u>D</u>	98	Limits 70 - 130	13	Limit 20

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48248-1 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9050	8/1-A							Client	Sample ID:		
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 90534											
		MB MB									
Analyte		esult Qualifier			MDL Uni	t	D	Prepared	Analy		Dil Fac
Chloride	<	5.00 U		5.00	mg	Кg			09/11/24	20:38	1
Lab Sample ID: LCS 880-9050 Matrix: Solid)8/2- A						Clier	nt Sample	e ID: Lab C Prep	ontrol S Type: S	
Analysis Batch: 90534											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	234.0		mg/Kg		94	90 - 110		
_ Lab Sample ID: LCSD 880-90	508/3-A					CI	ient Sa	mple ID:	Lab Contro	ol Sampl	le Dur
Matrix: Solid										Type: S	
Analysis Batch: 90534										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	234.0		mg/Kg		94	90 - 110	0	20
_											_
Lab Sample ID: 880-48245-A-	36-C MS							Client	Sample ID		-
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 90534											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result		Unit	D	%Rec	Limits		
Chloride	2550	F1	1240	4276	F1	mg/Kg		139	90 _ 110		
 Lab Sample ID: 880-48245-A-	36-D MSD						Client S	Sample II	D: Matrix S	pike Duj	plicate
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 90534											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2550	F1	1240	4279	F1	mg/Kg		139	90 - 110	0	20
- Lab Sample ID: 880-48245-A-	46-C MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Type: S	
Analysis Batch: 90534										.,,	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Chloride	35.7		253	276.7		mg/Kg		95	90 - 110		
 Lab Sample ID: 880-48245-A-							Client	Sample !!	D: Matrix S	niko Duu	olicato
Matrix: Solid							onent a				
Analysis Batch: 90534									гер	Type: S	oluble
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit

QC Association Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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Job ID: 880-48248-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 90478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48248-1	H-1 (0-0.5')	Total/NA	Solid	8021B	90502
880-48248-2	H-2 (0-0.5')	Total/NA	Solid	8021B	90502
880-48248-3	H-3 (0-0.5')	Total/NA	Solid	8021B	90502
MB 880-90502/5-A	Method Blank	Total/NA	Solid	8021B	90502
LCS 880-90502/1-A	Lab Control Sample	Total/NA	Solid	8021B	90502
LCSD 880-90502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	90502
880-48165-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	90502
880-48165-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	90502

Prep Batch: 90502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48248-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-48248-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-48248-3	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-90502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-90502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-90502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-48165-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-48165-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

880-48248-1 H-1 (0-0.5') Total/NA Solid Total BTEX	
880-48248-2 H-2 (0-0.5') Total/NA Solid Total BTEX	
880-48248-3 H-3 (0-0.5') Total/NA Solid Total BTEX	

GC Semi VOA

Prep Batch: 90510

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-48248-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48248-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-48248-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-90510/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-90510/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-90510/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-48246-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-48246-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 90528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-48248-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	90510
880-48248-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	90510
880-48248-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	90510
MB 880-90510/1-A	Method Blank	Total/NA	Solid	8015B NM	90510
LCS 880-90510/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	90510
LCSD 880-90510/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	90510
880-48246-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	90510
880-48246-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	90510

QC Association Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48248-1 SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 90593

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

HPLC/IC

Leach Batch: 90508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	8
880-48248-1	H-1 (0-0.5')	Soluble	Solid	DI Leach		
880-48248-2	H-2 (0-0.5')	Soluble	Solid	DI Leach		0
880-48248-3	H-3 (0-0.5')	Soluble	Solid	DI Leach		3
MB 880-90508/1-A	Method Blank	Soluble	Solid	DI Leach		
LCS 880-90508/2-A	Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-90508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		
880-48245-A-36-C MS	Matrix Spike	Soluble	Solid	DI Leach		
880-48245-A-36-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
880-48245-A-46-C MS	Matrix Spike	Soluble	Solid	DI Leach		
880-48245-A-46-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		4.2
Analysis Batch: 90534						13
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
880-48248-1	H-1 (0-0.5')	Soluble	Solid	300.0	90508	

		гер туре	IVIALITIX	wethou	Ртер Бассп
880-48248-1	H-1 (0-0.5')	Soluble	Solid	300.0	90508
880-48248-2	H-2 (0-0.5')	Soluble	Solid	300.0	90508
880-48248-3	H-3 (0-0.5')	Soluble	Solid	300.0	90508
MB 880-90508/1-A	Method Blank	Soluble	Solid	300.0	90508
LCS 880-90508/2-A	Lab Control Sample	Soluble	Solid	300.0	90508
LCSD 880-90508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	90508
880-48245-A-36-C MS	Matrix Spike	Soluble	Solid	300.0	90508
880-48245-A-36-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	90508
880-48245-A-46-C MS	Matrix Spike	Soluble	Solid	300.0	90508
880-48245-A-46-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	90508

5

Initial

Amount

4.98 g

5 mL

10.01 g

1 uL

5.03 g

50 mL

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Batch

90502

90478

90538

90593

90510

90528

90508

90534

Number

Dil

1

1

1

1

5

Factor

Run

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Job ID: 880-48248-1 SDG: Eddy Co, NM

Lab Sample ID: 880-48248-1

Analyst

MNR

MNR

SM

SM

FL

TKC

SA

СН

Prepared

or Analyzed

09/11/24 10:26

09/11/24 13:32

09/11/24 13:32

09/11/24 18:25

09/11/24 10:57

09/11/24 18:25

09/11/24 10:51

09/11/24 23:19

Matrix: Solid

Lab

EET MID

Matrix: Solid

Lab Sample ID: 880-48248-2 Matrix: Solid

Lab Sample ID: 880-48248-3

Client Sample ID: H-2 (0-0.5')
Date Collected: 09/09/24 00:00
Date Received: 09/11/24 09:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	90502	09/11/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90478	09/11/24 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90538	09/11/24 13:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			90593	09/11/24 18:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	90510	09/11/24 10:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90528	09/11/24 18:39	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	90508	09/11/24 10:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90534	09/11/24 23:25	СН	EET MID

Client Sample ID: H-3 (0-0.5') Date Collected: 09/09/24 00:00 Date Received: 09/11/24 09:50

	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	90502	09/11/24 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	90478	09/11/24 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			90538	09/11/24 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			90593	09/11/24 18:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	90510	09/11/24 10:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	90528	09/11/24 18:54	ТКС	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	90508	09/11/24 10:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	90534	09/11/24 23:32	СН	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48248-1 SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAI	כ	T104704400	06-30-25
for which the agency	does not offer certification.		ied by the governing authority. This lis	t may include analytes
for which the agency Analysis Method		Matrix	Analyte	t may include analytes
for which the agency	does not offer certification.			t may include analytes

Eurofins Midland

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Job ID: 880-48248-1 SDG: Eddy Co, NM

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	EPA	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
01 Leach	Deionized Water Leaching Procedure	ASTM	EET MID
Protocol Refe	rences:		
ASTM = A	STM International		
EPA = US	Environmental Protection Agency		
SW846 = '	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi	tion, November 1986 And Its Updates.	
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure		
Laboratory R	eferences:		
EET MID :	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Laboratory References:

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-48248-1 SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-48248-1	H-1 (0-0.5')	Solid	09/09/24 00:00	09/11/24 09:50
880-48248-2	H-2 (0-0.5')	Solid	09/09/24 00:00	09/11/24 09:50
880-48248-3	H-3 (0-0.5')	Solid	09/09/24 00:00	09/11/24 09:50

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er: Conne ee: Carmo 310 W 1432-8'											l	~		га	Page 1	_ of1
y Name: Carmo :: 310 W ate ZIP: Midlan 432-8'	Aoehring			Bill to: (if different)	erent)	Carmor	Carmona Resources	ces					Work Or	Work Order Comments	ents	
:: 310 W ate ZIP: Midlan 432-8'	Carmona Resources			Company Name:	lame:						Progra	m: UST/PS1		Program: UST/PST PRP Brownfields RRC		Duperfund
ate ZIP: Midlan 432-8'	310 W Wall St Ste 500			Address:							State o	State of Project:				
432-8	Midland, TX 79701			City, State ZIP:	ZIP:						Report	Reporting:Level II 🗌 Level III 🔤 ST/UST] Level III	PST/UST	DRRP	
	6823		Email:	mcarmon	Email: mcarmona@carmonaresources.com	resources	COM				Deliver	Deliverables: EDD		ADaPT	Other:	
Project Name: Po	Potato Baby 902H Ranger 5540	nger 5540	Tum	Turn Around	-	_			ANA	ANALYSIS REQUEST	QUEST			-	Preservative Codes	e Codes
Project Number:	2502		C Routine	Rush	Pres. Code									None: NO		DI Water: H ₂ O
Project Location	Eddy Co, NM		Due Date:	72 Hrs										Cool: Cool		MeOH: Me
Sampler's Name: PO #:	CMM				S		(оям +							HCL: HC		HNO ₃ : HN NaOH: Na
SAMPLE RECEIPT	Femo Blank:	Yes	Wet Ice:	(See	No eter	8								HaPOA: HP	0	
Received Intact:	Yes No	Thermometer ID:		10	1	1208	3 + C							NaHS	NaHSOA: NABIS	
Cooler Custody Seals:	Yes No NA	Correction Factor.		i	Pa	3 X 3.	-							Na ₂ S ₂ (Na2S203: NaSO3	
Sample Custody Seals:		Temperature Reading:	ading:	. 1-	r	18	-				_			Zn Ace	Zn Acetate+NaOH: Zn	Zn
Total Containers:	r I	Corrected Temperature:	erature:	1-	5		9108			_				NaOH	NaOH+Ascorbic Acid: SAPC	id: SAPC
Sample Identification	Date	Time	Soil	Water	Grab/ # of		нат			_	_	_		0	Sample Comments	nments
H-1 (0-0.5')	9/9/2024		×		-	×	×	T	-					-		
H-2 (0-0.5')	9/9/2024		×		-	×										
H-3 (0-0.5')	9/9/2024		×		G 1	×	× ×		_							
					_											
							+		+		1	-		+		
					+											
					+	T	+		-					+		
					_		_		_					_		
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and	Carmona / Mcarmo	ona@carmonar	esources.com	and Conr	Conner Moehring / Cmoehring@carmonare	g / Cmoe	hring@c	armonar	esource	s.com						
	Relinquished by: (Signature)	vv. (Sinnatura)				Date/Time				đ	d beview	Descrived hur (Cionatura)				Data(Timo
~	Veili idnisi ien r	oy. (Signature)					alle		C	A	oelved by	(oignature	6		1.1	le/ I me
- mar of	Curry &				11/6	The the	1:47			D					40/11/0	1 03

Received by OCD: 1/8/2025 9:13:17 AM

9/12/2024

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Job Number: 880-48248-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 48248 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	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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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 12/6/2024 12:26:47 PM

JOB DESCRIPTION

Potato Baby 902H Ranger 5540 Eddy Co, NM

JOB NUMBER

880-51810-1

DES(9 902H

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

AMER

Generated 12/6/2024 12:26:47 PM

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

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

Laboratory Job ID: 880-51810-1 SDG: Eddy Co, NM

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Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Detection Limit (DoD/DOE)

ns/Glossary	1
Job ID: 880-51810- SDG: Eddy Co, NM	
	- 3
	4
	5

Qualifiers GC VOA

DL

DL, RA, RE, IN

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
GC Semi VOA	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¢	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

DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNITC	Teo Numerous Te Count

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

TNTC Too Numerous To Count

Case Narrative

Client: Carmona Resources Project: Potato Baby 902H Ranger 5540 Job ID: 880-51810-1

Job ID: 880-51810-1

Eurofins Midland

Job Narrative 880-51810-1

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 12/5/2024 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.2°C.

GC VOA

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

Diesel Range Organics

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

HPLC/IC

Method 300 ORGFM 28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97179 and analytical batch 880-97189 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.

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

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: H-1 (0-0.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 14:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 14:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 14:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/05/24 12:39	12/05/24 14:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 14:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/05/24 12:39	12/05/24 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 14:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/05/24 12:39	12/05/24 14:52	1
Method: TAL SOP Total BTEX - To	tal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/05/24 14:52	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
			· ·						
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result <49.8		RL 49.8	MDL	Unit mg/Kg	<u> </u>	Prepared	Analyzed 12/05/24 21:46	Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Diese	<49.8	U	49.8			D	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	<49.8	U I <mark>nics (DRO)</mark> Qualifier	49.8 (GC)		mg/Kg			12/05/24 21:46	1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<49.8 I Range Orga Result	U I <mark>nics (DRO)</mark> Qualifier	49.8 (GC) RL		mg/Kg Unit		Prepared	12/05/24 21:46 Analyzed	1 Dil Fac
Analyte Total TPH	<49.8 I Range Orga Result	U Inics (DRO) Qualifier U	49.8 (GC) RL		mg/Kg Unit		Prepared	12/05/24 21:46 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 I Range Orga Result <49.8	U nnics (DRO) Qualifier U U	49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 12/05/24 12:21	12/05/24 21:46 Analyzed 12/05/24 21:46	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 I Range Orga Result <49.8 <49.8	U nnics (DRO) Qualifier U U	49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.8 I Range Orga Result <49.8 <49.8 <49.8	U Qualifier U U U	49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21	Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46	1 Dil Fac 1 1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<49.8 I Range Orga Result <49.8 <49.8 <49.8 <49.8 %Recovery	U Qualifier U U U	49.8 (GC) 49.8 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.8 I Range Orga Result <49.8 <49.8 <49.8 <49.8 %Recovery 107 80	U Qualifier U U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46	1 Dil Fac 1 1 1 1 Dil Fac
Analyte Total TPH Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion C	<49.8 I Range Orga Result <p>49.8 49.8 49.8 49.8 49.8 %Recovery 107 80 hromatograp</p>	U Qualifier U U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46	1 Dil Fac 1 1 1 1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion C Analyte	<49.8 I Range Orga Result <p>49.8 49.8 49.8 49.8 49.8 %Recovery 107 80 hromatograp</p>	U Qualifier U U Qualifier	49.8 (GC) <u>RL</u> 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21 12/05/24 12:21	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46	1 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion C Analyte Chloride	<49.8 I Range Orga Result <p>49.8 49.8 49.8 49.8 49.8 80 %Recovery 107 80 Chromatograp Result</p>	U Qualifier U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg Mg/Kg Unit	D	Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21 12/05/24 12:21 Prepared Prepared	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 Analyzed	1 Dil Fac 1 1 1 <i>Dil Fac</i> 1 <i>Dil Fac</i> 1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.8 I Range Orga Result <p>49.8 49.8 49.8 49.8 49.8 80 %Recovery 107 80 Chromatograp Result</p>	U Qualifier U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg Mg/Kg Unit	D	Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21 12/05/24 12:21 Prepared Prepared	12/05/24 21:46 Analyzed 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46 12/05/24 21:46	1 Dil Fac 1 1 1 <i>Dil Fac</i> 1 <i>Dil Fac</i> 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 15:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 15:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 15:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/24 15:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 15:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/24 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				12/05/24 12:39	12/05/24 15:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/05/24 12:39	12/05/24 15:13	1

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Job ID: 880-51810-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51810-1

Matrix: Solid

5

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Job ID: 880-51810-1 SDG: Eddy Co, NM

Matrix: Solid

5

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

Project/Site: Potato Baby 902H Ranger 5540

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/24 15:13	1
Method: SW846 8015 NM - Diesel	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			12/05/24 22:01	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		12/05/24 12:21	12/05/24 22:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		12/05/24 12:21	12/05/24 22:01	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/05/24 12:21	12/05/24 22:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/05/24 12:21	12/05/24 22:01	1
o-Terphenyl	81		70 - 130				12/05/24 12:21	12/05/24 22:01	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		10.1		mg/Kg			12/05/24 23:40	1

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

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Lab Sample ID: 880-51810-3 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 15:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 15:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 15:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/24 12:39	12/05/24 15:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 15:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/24 12:39	12/05/24 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				12/05/24 12:39	12/05/24 15:33	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/05/24 12:39	12/05/24 15:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/24 15:33	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (O	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/05/24 22:17	1
Method: SW846 8015B NM - D)iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oracline Renne Oracuice	<50.0	11	50.0		mg/Kg		12/05/24 12:21	12/05/24 22:17	1
Gasoline Range Organics	~00.0	0	00.0		ing/itg		12/00/21 12.21	12/00/21 22.11	

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12/05/24 22:17

12/05/24 12:21

~

Lab Sample ID: 880-51810-2

ompounds (GC)

Diesel Range Organics (Over

C10-C28)

50.0

mg/Kg

<50.0 U

1

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: H-3 (0-0.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

Job ID: 880-51810-1
SDG: Eddy Co, NM

Lab Sample ID: 880-51810-3

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/05/24 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/05/24 12:21	12/05/24 22:17	1
p-Terphenyl	72		70 - 130				12/05/24 12:21	12/05/24 22:17	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.3		9.94		mg/Kg			12/05/24 23:46	1

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Released to Imaging: 2/17/2025 2:14:25 PM

Surrogate Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Sample ID	Client Sample ID	(70-130)	(70-130)	
1809-A-1-D MS	Matrix Spike	111	101	
51809-A-1-E MSD	Matrix Spike Duplicate	97	105	
51810-1	H-1 (0-0.5')	94	92	
1810-2	H-2 (0-0.5')	90	93	
1810-3	H-3 (0-0.5')	93	91	
380-97175/1-A	Lab Control Sample	94	102	
880-97175/2-A	Lab Control Sample Dup	116	105	
880-97175/5-A	Method Blank	87	89	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Su
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-51809-A-1-B MS	Matrix Spike	100	82	
880-51809-A-1-C MSD	Matrix Spike Duplicate	93	77	
880-51810-1	H-1 (0-0.5')	107	80	
880-51810-2	H-2 (0-0.5')	108	81	
880-51810-3	H-3 (0-0.5')	97	72	
LCS 880-97173/2-A	Lab Control Sample	119	105	
LCSD 880-97173/3-A	Lab Control Sample Dup	125	111	
MB 880-97173/1-A	Method Blank	88	72	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

5 6 7

Prep Type: Total/NA

Lab Sample ID: MB 880-97175/5-A

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Analysis Batch: 96938								Prep Type: 1 Prep Batch	
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				12/05/24 12:39	12/05/24 14:10	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/05/24 12:39	12/05/24 14:10	1

Lab Sample ID: LCS 880-97175/1-A Matrix: Solid

Analysis Batch: 96938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09850		mg/Kg		99	70 - 130	
Toluene	0.100	0.09763		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130	
o-Xylene	0.100	0.09588		mg/Kg		96	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-97175/2-A

Matrix: Solid

Analysis Batch: 96938							Prep	Batch:	97175
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09985		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	7	35
Ethylbenzene	0.100	0.1273		mg/Kg		127	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2466		mg/Kg		123	70 - 130	23	35
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130	23	35

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

Lab Sample ID: 880-51809-A-1-D MS

Matrix: Solid

Analysis Batch: 96938									Prep	o Batch: 97175
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.09746		mg/Kg		97	70 - 130	
Toluene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 97175

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51810-1 SDG: Eddy Co, NM

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

Lab Sample ID: 880-51809-A	A-1-D MS							Client	Sample ID		
Matrix: Solid									Prep 1	Гуре: То	tal/NA
Analysis Batch: 96938									Prep	Batch:	97175
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	<0.00200	U	0.100	0.1254		mg/Kg		125	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2372		mg/Kg		119	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1160		mg/Kg		116	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								
Lab Sample ID: 880-51809-A	A-1-E MSD					Cli	ient S	ample IC): Matrix Sp	oike Dur	olicate
Matrix: Solid										Гуре: То	
Analysis Batch: 96938										Batch:	
· · · · · , · · · · · · · · · · · · · · · · · · ·	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00200	U	0.100	0.1012		mg/Kg		101	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09857		mg/Kg		99	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.100	0.1023		mg/Kg		102	70 - 130	20	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2008		mg/Kg		100	70 - 130	17	35
o-Xylene	<0.00200	U	0.100	0.09868		mg/Kg		99	70 - 130	16	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
lethod: 8015B NM - Die	sel Range O	rganics (E	RO) (GC)								
Lab Sample ID: MB 880-971		<u> </u>	,,,,,					Client S	ample ID:	Method	Blank
Matrix: Solid										Гуре: То	
Analysis Batch: 97126										Batch:	

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 12/05/24 12:21 12/05/24 20:08 Gasoline Range Organics mg/Kg 1 (GRO)-C6-C10 Diesel Range Organics (Over 50.0 12/05/24 12:21 12/05/24 20:08 <50.0 U mg/Kg 1 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 12/05/24 12:21 12/05/24 20:08 1 MB MB %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 12/05/24 12:21 12/05/24 20:08 1-Chlorooctane 88 1

70 - 130

Lab Sample ID: LCS 880-97173/2-A Matrix: Solid		
Analysis Batch: 97126	Spike	L
	•	

72

Analysis Batch: 97126							Prep	Batch: 97173
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1246		mg/Kg		125	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1004		mg/Kg		100	70 - 130	
C10-C28)								

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Prep Type: Total/NA

12/05/24 20:08

Client Sample ID: Lab Control Sample

12/05/24 12:21

o-Terphenyl

1

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

Lab Sample ID: LCS 880-9717	73/2-A						Client	Sample	BID: Lab Co		
Matrix: Solid										Type: Tot	
Analysis Batch: 97126									Prep	Batch:	9717:
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	119		70 - 130								
o-Terphenyl	105		70 - 130								
Lab Sample ID: LCSD 880-971	173/3-A					Clier	nt Sam	nole ID: I	Lab Contro	ol Sample	e Dui
Matrix: Solid										Type: Tot	
Analysis Batch: 97126										Batch:	
· ····· , · · · · · · · · · · · · · · · · · · ·			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			1000	1270		mg/Kg		127	70 - 130	2	2
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)			1000	1061		mg/Kg		106	70 - 130	6	2
	1.050	LCSD									
Surrogata			Limito								
Surrogate 1-Chlorooctane	%Recovery 125	Qualifier	Limits 70 - 130								
o-Terphenyl	125		70 - 130 70 - 130								
	111		10 - 150								
Lab Sample ID: 880-51809-A-1	1-B MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep 1	Type: Tot	tal/N/
Analysis Batch: 97126										Batch:	
· · · · · · · · · · · · · · · · · · ·											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	-	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	%Rec Limits		
Analyte Gasoline Range Organics	-	Qualifier	-			Unit mg/Kg	D	%Rec 88			
Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier	Added	Result			<u>D</u>		Limits		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	Added	Result			<u>D</u>		Limits		
Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	Added 995	Result 877.4		mg/Kg	<u>D</u>	88	Limits 70 - 130		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U	Added 995	Result 877.4		mg/Kg	<u>D</u>	88	Limits 70 - 130		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 <50.0	Qualifier U U	Added 995	Result 877.4		mg/Kg	<u>D</u>	88	Limits 70 - 130		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	Added995	Result 877.4		mg/Kg	<u>D</u>	88	Limits 70 - 130		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U U	Added 995 995 Limits	Result 877.4		mg/Kg	<u>D</u>	88	Limits 70 - 130		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0	Qualifier U U	Added 995 995 <u>Limits</u> 70 - 130	Result 877.4		mg/Kg			Limits 70 - 130 70 - 130		licot
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A-	Result <50.0	Qualifier U U	Added 995 995 <u>Limits</u> 70 - 130	Result 877.4		mg/Kg			Limits 70 - 130 70 - 130 D: Matrix Sp		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A Matrix: Solid	Result <50.0	Qualifier U U	Added 995 995 <u>Limits</u> 70 - 130	Result 877.4		mg/Kg			Limits 70 - 130 70 - 130 D: Matrix Sp Prep 1	Type: Tot	tal/N/
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A-	Result <50.0 <50.0 MS %Recovery 100 82 1-C MSD	Qualifier U MS Qualifier	Added 995 995 Limits 70 - 130 70 - 130	Result 877.4 765.4	Qualifier	mg/Kg			Limits 70 - 130 70 - 130 2: Matrix Sp Prep 1 Prep 1 Prep		tal/N/ 9717:
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126	Result <50.0	Qualifier U MS Qualifier Sample	Added 995 995 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 877.4 765.4 MSD	Qualifier	mg/Kg mg/Kg CI	ient Sa	88 77	Limits 70 - 130 70 - 130 20 Matrix Sp Prep 1 Prep %Rec	Type: Tot Batch: 9	tal/N/ 9717: RPI
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126 Analyte	Result <50.0	Qualifier U MS Qualifier Sample Qualifier	Added 995 995 Limits 70 - 130 70 - 130 70 - 130	Result 877.4 765.4 MSD Result	Qualifier	mg/Kg mg/Kg Cl		88 77 ample ID	Limits 70 - 130 70 - 130 20 Matrix Sp Prep 1 Prep %Rec Limits	Type: Tot Batch: 9 RPD	tal/N/ 9717; RPI Limi
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics	Result <50.0	Qualifier U MS Qualifier Sample Qualifier	Added 995 995 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 877.4 765.4 MSD	Qualifier	mg/Kg mg/Kg CI	ient Sa	88 77	Limits 70 - 130 70 - 130 20 Matrix Sp Prep 1 Prep %Rec	Type: Tot Batch: 9	tal/N/ 9717: RPI Limi
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126	Result <50.0	Qualifier U MS Qualifier Qualifier U	Added 995 995 Limits 70 - 130 70 - 130 70 - 130	Result 877.4 765.4 MSD Result	Qualifier	mg/Kg mg/Kg Cl	ient Sa	88 77 ample ID	Limits 70 - 130 70 - 130 20 Matrix Sp Prep 1 Prep %Rec Limits	Type: Tot Batch: 9 RPD	tal/N/ 9717: RPI Limi 2
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U MS Qualifier Qualifier U	Added 995 995 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 995	Result 877.4 765.4 MSD Result 826.0	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	88 77 ample IC <u>%Rec</u> 83	Limits 70 - 130 70 - 130 70 - 130 D: Matrix Sg Prep 7 Prep %Rec Limits 70 - 130	Type: Tot Batch: 9 RPD 6	tal/N/ 9717: RPI Limi 2
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U MS Qualifier Qualifier U	Added 995 995 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 995	Result 877.4 765.4 MSD Result 826.0	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	88 77 ample IC <u>%Rec</u> 83	Limits 70 - 130 70 - 130 70 - 130 D: Matrix Sg Prep 7 Prep %Rec Limits 70 - 130	Type: Tot Batch: 9 RPD 6	tal/NA 97173 RPI Limi 20
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U MS Qualifier Qualifier U U MSD	Added 995 995 <u>Limits</u> 70 - 130 70 - 130 70 - 130 80 50 80 80 995	Result 877.4 765.4 MSD Result 826.0	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	88 77 ample IC <u>%Rec</u> 83	Limits 70 - 130 70 - 130 70 - 130 D: Matrix Sg Prep 7 Prep %Rec Limits 70 - 130	Type: Tot Batch: 9 RPD 6	tal/NA
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-51809-A- Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U MS Qualifier Qualifier U U MSD	Added 995 995 Limits 70 - 130 70 - 130 Spike Added 995 995	Result 877.4 765.4 MSD Result 826.0	Qualifier	mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	88 77 ample IC <u>%Rec</u> 83	Limits 70 - 130 70 - 130 70 - 130 D: Matrix Sg Prep 7 Prep %Rec Limits 70 - 130	Type: Tot Batch: 9 RPD 6	tal/NA 97173 RPE Limi 20

Eurofins Midland

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51810-1 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

	x										(Client S	ample ID:	Method	Blank
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 97189															
		MB M	IB												
Analyte	R	esult Q	ualifier		RL		MDL	Unit		D	Pre	epared	Analy	zed	Dil Fac
Chloride	<	<10.0 U	l		10.0			mg/Kg					12/05/24	23:04	1
Lab Sample ID: LCS 880-97179/2-	A									Clie	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid													Prep	o Type: S	oluble
Analysis Batch: 97189															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride				250		247.8			mg/Kg			99	90 - 110		
Lab Sample ID: LCSD 880-97179/	3-A								Cli	ent S	amj	ple ID:	Lab Contr	ol Samp	le Dup
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 97189															
				Spike		LCSD	LCSI	C					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride				250		247.9			mg/Kg			99	90 - 110	0	20
Lab Sample ID: 880-51809-A-1-H	MS											Client	Sample II	D: Matrix	Spike
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 97189															
	Sample	Sample	e	Spike		MS	MS						%Rec		
Analyte	Result	Qualifie	er	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride	72.2	F1		248		350.5	F1		mg/Kg			112	90 - 110		
- Lab Sample ID: 880-51809-A-1-I N	ISD								(Client	Sa	mple IC): Matrix S	pike Du	plicate
Matrix: Solid														Type: S	
Analysis Batch: 97189															
-	Sample	Sample	9	Spike		MSD	MSD						%Rec		RPD
Analyte	Result	Qualifie	er	Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit

QC Association Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

5 6

Job ID: 880-51810-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 96938

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51810-1	H-1 (0-0.5')	Total/NA	Solid	8021B	97175
880-51810-2	H-2 (0-0.5')	Total/NA	Solid	8021B	97175
880-51810-3	H-3 (0-0.5')	Total/NA	Solid	8021B	97175
MB 880-97175/5-A	Method Blank	Total/NA	Solid	8021B	97175
LCS 880-97175/1-A	Lab Control Sample	Total/NA	Solid	8021B	97175
LCSD 880-97175/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97175
880-51809-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	97175
880-51809-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	97175

Prep Batch: 97175

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51810-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-51810-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-51810-3	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-97175/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97175/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97175/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51809-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-51809-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
 Analysis Batch: 97273					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

Lab Sample ID	Client Sample ID	гер туре	Maurix	wethou	Ргер Бассп
880-51810-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-51810-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-51810-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 97126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51810-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	97173
880-51810-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	97173
880-51810-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	97173
MB 880-97173/1-A	Method Blank	Total/NA	Solid	8015B NM	97173
LCS 880-97173/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97173
LCSD 880-97173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97173
880-51809-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	97173
880-51809-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97173

Prep Batch: 97173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51810-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-51810-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-51810-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-97173/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97173/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51809-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51809-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51810-1 SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 97249

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51810-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-51810-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-51810-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97179

_						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	8
880-51810-1	H-1 (0-0.5')	Soluble	Solid	DI Leach		
880-51810-2	H-2 (0-0.5')	Soluble	Solid	DI Leach		Q
880-51810-3	H-3 (0-0.5')	Soluble	Solid	DI Leach		3
MB 880-97179/1-A	Method Blank	Soluble	Solid	DI Leach		
LCS 880-97179/2-A	Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		
880-51809-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach		
880-51809-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		
Analysis Batch: 97189						
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	13
880-51810-1	H-1 (0-0.5')	Soluble	Solid	300.0	97179	
000 51010 0		Calubla	Calid	200.0	07170	

Analysis Batch: 97189

Lab Sample ID	Client Sample ID	Bron Tuno	Matrix	Method	Prep Batch
· · · · · · · · · · · · · · · · · · ·		Prep Type			
880-51810-1	H-1 (0-0.5')	Soluble	Solid	300.0	97179
880-51810-2	H-2 (0-0.5')	Soluble	Solid	300.0	97179
880-51810-3	H-3 (0-0.5')	Soluble	Solid	300.0	97179
MB 880-97179/1-A	Method Blank	Soluble	Solid	300.0	97179
LCS 880-97179/2-A	Lab Control Sample	Soluble	Solid	300.0	97179
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97179
880-51809-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	97179
880-51809-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	97179

5

Client Sample ID: H-1 (0-0.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 14:52	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97273	12/05/24 14:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97249	12/05/24 21:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/05/24 21:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/05/24 23:35	СН	EET MID

Lab Sample ID: 880-51810-2 Matrix: Solid

trix: Solia

Client Sample ID: H-2 (0-0.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 15:13	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97273	12/05/24 15:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97249	12/05/24 22:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/05/24 22:01	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/05/24 23:40	CH	EET MID

Client Sample ID: H-3 (0-0.5') Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 15:33	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97273	12/05/24 15:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97249	12/05/24 22:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/05/24 22:17	ткс	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/05/24 23:46	СН	EET MID

Laboratory References:

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

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Job ID: 880-51810-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51810-1

Matrix: Solid

Lab Sample ID: 880-51810-3 Matrix: Solid

Accreditation/Certification Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51810-1 SDG: Eddy Co, NM

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
exas	NELAF)	T104704400	06-30-25
The following analyt	as are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This list	may include analyte
for which the agency	does not offer certification.			may moldee analyte.
for which the agency Analysis Method		Matrix	Analyte	may molde analyte.
for which the agency	does not offer certification.			

Eurofins Midland

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12/6/2024

Method Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-51810-1 SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory	
8021B	Volatile Organic Compounds (GC)	SW846	EET MID	- 1
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID	
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID	5
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID	5
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 Refe	rences:			8
ASTM = A	STM International			
EPA = US	Environmental Protection Agency			9
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ec	ition, 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

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51810-1 SDG: Eddy Co, NM

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51810-1	H-1 (0-0.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51810-2	H-2 (0-0.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51810-3	H-3 (0-0.5')	Solid	12/04/24 00:00	12/05/24 11:10

Released to Imaging: 2/17/2025 2:14:25 PM

	5
	8
	9
0	13
3	

Chain of Custody



		Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com							H-3 (0-0.5')	H-2 (0-0.5')	H-1 (0-0.5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:
1 the		I to Mike Carm							0.5')	0.5')	0.5')	ntification		ils: Yes	Yes	(Yee	-					Potato B	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
Para	Relinquished by: (Signature)	ona / Mcarmo							12/4/2024	12/4/2024	12/4/2024	Date	(NO (N/A)	NO NIA	No	Femp Blank:		CMM	Eddy Co, NM	2502	Potato Baby 902H Ranger 5540		701	Ste 500	urces	pg
nc 2	y: (Signature)	na@carmona										Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No					ger 5540					
		resources.con							X	×	×	Soil	erature:	ading:			Wet Ice:			Due Date:	Routine	Turn	Email				
		n and Conne										Water C.	Ċ.	j,	.1.	X	Yes No			24 Hrs	Rush	Turn Around	Email: mcarmona@carmonaresources.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)
12		ar Moehrii		+	-	+			G 1	G 1	G 1	Grab/ # of Comp Cont	2		P	arar	nete	rs	_		Code	7	@carmona	Ŗ		me:	ent)
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124 @ 11:	Date/Time	oehring							×	×	×	ТР	H 801	15M	(GF	RO +	DRC) + N	IRO)			es.com				Carmona Resources
:02)@carn							×	×	×			с	hlor	ide :	300			_							sources
		nonare			_	_	-									_											
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1		s.com	H	+	+	+	+-															ANALYSIS REQUEST					
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												Sam	10H+As	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	H3PO4: HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Pres					Work Order Comments
212	Da											ple Co	corbic A	+NaOH	VaSO ₃	ABIS		-	-		_	ervativ	Other:	RRP		RC	0
1110	Date/Time											Sample Comments	NaOH+Ascorbic Acid: SAPC	: Zn				NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes				Dperfund [

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Job Number: 880-51810-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 51810 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	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701 Generated 12/6/2024 12:28:55 PM

JOB DESCRIPTION

Potato Baby 902H Ranger 5540 Eddy Co, NM

JOB NUMBER

880-51815-1

dland, T ted 12/6/20 DESC 902H R E0

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

AMER

Generated 12/6/2024 12:28:55 PM

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

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

Laboratory Job ID: 880-51815-1 SDG: Eddy Co, NM

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QC Sample Results	14
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•	

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MQL NC

ND

NEG

POS

PQL

QC

RL RPD

TEF

TEQ

TNTC

RER

PRES

ML MPN Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

	Definitions/Glossary		1
Client: Carmona Project/Site: Po	-	Job ID: 880-51815-1 SDG: Eddy Co, NM	2
Qualifiers			3
GC VOA Qualifier	Qualifier Description		4
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA Qualifier	Qualifier Description		5
S1-	Surrogate recovery exceeds control limits, low biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC Qualifier	Qualifier Description		7
F1	MS and/or MSD recovery exceeds control limits.		8
U	Indicates the analyte was analyzed for but not detected.		
Glossary			9
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)		1:
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		

Case Narrative

Client: Carmona Resources Project: Potato Baby 902H Ranger 5540 Job ID: 880-51815-1

Job ID: 880-51815-1

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Job Narrative 880-51815-1

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 12/5/2024 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -5.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2.5') (880-51815-1), CS-2 (2.5') (880-51815-2), CS-3 (2.5') (880-51815-3), CS-4 (2.5') (880-51815-4), CS-5 (2.5') (880-51815-5), SW-1 (2.5') (880-51815-6), SW-2 (2.5') (880-51815-7), SW-3 (2.5') (880-51815-8) and SW-4 (2.5') (880-51815-9).

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 sample was outside control limits: SW-2 (2.5') (880-51815-7). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97179 and analytical batch 880-97189 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.

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

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: CS-1 (2.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 20:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 20:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				12/05/24 12:39	12/05/24 20:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/05/24 12:39	12/05/24 20:19	1
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/05/24 20:19	1
Method: SW846 8015 NM - Diesel									
Analyte	Result <50.0	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Diese					mg/Kg			12/06/24 00:42	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/06/24 00:42	1
(GRO)-C6-C10	-50.0		50.0				40/05/04 40:04	40/00/04 00:40	4
Diesel Range Organics (Over C10-C28)	<50.0	0	50.0		mg/Kg		12/05/24 12:21	12/06/24 00:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/06/24 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/05/24 12:21	12/06/24 00:42	1
o-Terphenyl	77		70 - 130				12/05/24 12:21	12/06/24 00:42	1
Method: EPA 300.0 - Anions, Ion (Chromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.5		10.0		mg/Kg			12/06/24 00:49	1
lient Sample ID: CS-2 (2.5')							Lab Sam	ple ID: 880-5	1815-2
ate Collected: 12/04/24 00:00 ate Received: 12/05/24 11:10								Matri	x: Solid
Method: SW846 8021B - Volatile C	Drganic Comp	ounds (GC)							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 20:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 20:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 20:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/24 20:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 20:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/24 20:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 20:40	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/05/24 12:39	12/05/24 20:40	1

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Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-1 Matrix: Solid

102 77 natograp Result 76.5	Qualifier Ohy - Solub Qualifier Ounds (GC Qualifier	10.0		mg/Kg Unit mg/Kg	D	12/05/24 12:21 Prepared 12/05/24 12:21 12/05/24 12:21 Prepared Lab Sam	Ana
102 77 natograp Result 76.5	ohy - Solubi Qualifier Ounds (GC Qualifier	70 - 130 70 - 130 10 10 10.0		Unit		12/05/24 12:21 12/05/24 12:21 Prepared Lab Sam	12/06/2 12/06/2 Ana 12/06/2 ple ID
77 natograp Result 76.5	Qualifier ounds (GC Qualifier	70 - 130		Unit		12/05/24 12:21 Prepared Lab Sam	12/06/2 Ana 12/06/2 ple ID
Result 76.5	Qualifier ounds (GC Qualifier	le RL		Unit		Prepared Lab Sam	Ana 12/06/2 ple ID
Result 76.5 c Comp Result <0.00201	Qualifier ounds (GC Qualifier	RL		Unit		Lab Sam	12/06/2 ple ID
76.5	<mark>ounds (GC</mark> Qualifier	10.0		Unit		Lab Sam	12/06/2 ple ID
c Comp Result <0.00201	Qualifier) RL	MDL	Unit	D	Prepared	ple ID
Result <0.00201	Qualifier	RL	MDL		D	Prepared	Ana
Result <0.00201	Qualifier	RL	MDL		<u>D</u>	Prepared	Anal
Result <0.00201	Qualifier	RL	MDL		<u>D</u>	·	
Result <0.00201	Qualifier	RL	MDL		D	·	
Result <0.00201	Qualifier	RL	MDL		D	·	
<0.00201	-		MDL		D	·	
	U	0.00201					
				mg/Kg		12/05/24 12:39	12/05/2
<0.00201		0.00201		mg/Kg		12/05/24 12:39	12/05/2
<0.00201		0.00201		mg/Kg		12/05/24 12:39	12/05/2
<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/2
<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/2
<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/2
Recovery	Qualifier	Limits				Prepared	Ana
94		70 - 130				12/05/24 12:39	12/05/2
91		70 - 130				12/05/24 12:39	12/05/2
							I
		Page 6 of 28					
F	<0.00402 Recovery 94 91	91	<0.00402 U 0.00402 <u>Recovery</u> <u>Qualifier</u> <u>Limits</u> 94 70 - 130 91 70 - 130 Page 6 of 28	<0.00402 U 0.00402 Recovery Qualifier Limits 94 70 - 130 91 70 - 130 Page 6 of 28	<0.00201 U 0.00201 mg/Kg <0.00402 U 0.00402 mg/Kg <u>Recovery</u> <u>Qualifier</u> <u>Limits</u> <u>70 - 130</u> <u>91</u> 70 - 130	<0.00201 U 0.00201 mg/Kg <0.00402 U 0.00402 mg/Kg <u>Recovery</u> <u>Qualifier</u> <u>Limits</u> 94 70 - 130 91 70 - 130 Page 6 of 28	<0.00201

Job ID: 880-51815-1 SDG: Eddy Co, NM

Matrix: Solid

5

Lab Sample ID: 880-51815-2

Client Sample ID: CS-2 (2.5')

Project/Site: Potato Baby 902H Ranger 5540

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/24 20:40	1
Method: SW846 8015 NM - Diesel	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			12/06/24 00:58	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	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 00:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 00:58	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/05/24 12:21	12/06/24 00:58	1
o-Terphenyl	72		70 - 130				12/05/24 12:21	12/06/24 00:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.0		10.0		mg/Kg			12/06/24 00:54	1

Client Sample ID: CS-3 (2.5')

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Lab Sample ID: 880-51815-3 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 21:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 21:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 21:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/24 21:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/05/24 12:39	12/05/24 21:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/05/24 12:39	12/05/24 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/05/24 12:39	12/05/24 21:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 21:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/24 21:00	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (C	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/06/24 01:14	1
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result <49.8			MDL	Unit mg/Kg	<u>D</u>	Prepared 12/05/24 12:21	Analyzed 12/06/24 01:14	Dil Fac
Analyte Gasoline Range Organics				MDL		D			Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U		MDL		<u> </u>			Dil Fac 1

Eurofins Midland

Matrix: Solid

5

Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-3

Client Sample ID: CS-3 (2.5')

Project/Site: Potato Baby 902H Ranger 5540

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/05/24 12:21	12/06/24 01:14	1
	70 Chromatograp	hy - Solubl	70 ₋ 130				12/05/24 12:21	12/06/24 01:14	
o- <i>Terphenyl</i> Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	hy - Solubl Qualifier		MDL	Unit	D	12/05/24 12:21 Prepared	12/06/24 01:14 Analyzed	Dil Fac
Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	-	e	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: EPA 300.0 - Anions, Ion	Chromatograp Result	-	e	MDL		<u>D</u>	Prepared	Analyzed	1
Method: EPA 300.0 - Anions, Ion Analyte Chloride	Chromatograp Result	-	e	MDL		<u>D</u>	Prepared	Analyzed 12/06/24 01:10 ple ID: 880-5	Dil Fac 1 1815-4 ix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 21:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 21:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 21:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/24 12:39	12/05/24 21:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 21:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/24 12:39	12/05/24 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 21:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 21:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg				12/05/24 21:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.6	U	49.6		mg/Kg			12/06/24 01:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		12/05/24 12:21	12/06/24 01:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		12/05/24 12:21	12/06/24 01:30	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/05/24 12:21	12/06/24 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/05/24 12:21	12/06/24 01:30	1
o-Terphenyl	70		70 - 130				12/05/24 12:21	12/06/24 01:30	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.0		9.92		mg/Kg			12/06/24 01:15	1

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: CS-5 (2.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 21:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 21:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/24 12:39	12/05/24 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 21:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/24 12:39	12/05/24 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 21:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/05/24 12:39	12/05/24 21:41	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/05/24 21:41	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (C	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/06/24 01:46	1
Method: SW846 8015B NM - Dies									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/05/24 12:21	12/06/24 01:46	1
(GRO)-C6-C10	-10.0		40.0		·····		40/05/04 40:04	40/00/04 04:40	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/05/24 12:21	12/06/24 01:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/05/24 12:21	12/06/24 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/05/24 12:21	12/06/24 01:46	1
o-Terphenyl	72		70 - 130				12/05/24 12:21	12/06/24 01:46	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Soluble	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.6		10.0		mg/Kg			12/06/24 01:20	1
lient Sample ID: SW-1 (2.5'))						Lab Sam	ple ID: 880-5	1815-6
ate Collected: 12/04/24 00:00 ate Received: 12/05/24 11:10								Matri	x: Solid
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Rooult	Quanto			•	-		/	

Method: SW846 8021B - Volat	lie Organic Comp	ounas (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 22:02	
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 22:02	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 22:02	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 22:02	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 22:02	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 22:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	98		70 - 130				12/05/24 12:39	12/05/24 22:02	
1,4-Difluorobenzene (Surr)	93		70 - 130				12/05/24 12:39	12/05/24 22:02	

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Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-5

Matrix: Solid

Released to Imaging: 2/17/2025 2:14:25 PM

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Job ID: 880-51815-1 SDG: Eddy Co, NM

Matrix: Solid

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Lab Sample ID: 880-51815-6

Client Sample ID: SW-1 (2.5')

Project/Site: Potato Baby 902H Ranger 5540

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			12/05/24 22:02	1
Method: SW846 8015 NM - Diesel	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			12/06/24 02:02	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		12/05/24 12:21	12/06/24 02:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		12/05/24 12:21	12/06/24 02:02	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/05/24 12:21	12/06/24 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/05/24 12:21	12/06/24 02:02	1
o-Terphenyl	74		70 - 130				12/05/24 12:21	12/06/24 02:02	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.0		9.96		mg/Kg			12/06/24 01:26	1

Client Sample ID: SW-2 (2.5')

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Lab Sample ID: 880-51815-7 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/05/24 12:39	12/05/24 22:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/05/24 12:39	12/05/24 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				12/05/24 12:39	12/05/24 22:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/05/24 12:39	12/05/24 22:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/05/24 22:22	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/06/24 02:18	1
Method: SW846 8015B NM - Die	esel 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		12/05/24 12:21	12/06/24 02:18	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/06/24 02:18	1

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Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-7

Client Sample ID: SW-2 (2.5')

Project/Site: Potato Baby 902H Ranger 5540

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/06/24 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/05/24 12:21	12/06/24 02:18	1
o-Terphenyl	69	S1-	70 - 130				12/05/24 12:21	12/06/24 02:18	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.7		9.98		mg/Kg			12/06/24 01:31	1

Client Sample ID: SW-3 (2.5')

Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/05/24 12:39	12/05/24 22:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/05/24 12:39	12/05/24 22:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/05/24 12:39	12/05/24 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 22:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/05/24 12:39	12/05/24 22:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/05/24 22:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)											
	Analyte	Result	Qualifier	RL	MDL	Unit	D		Prepared	Analyzed	Dil Fac
	Total TPH	<49.8	U	49.8		mg/Kg				12/06/24 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 02:34	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 02:34	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/05/24 12:21	12/06/24 02:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/05/24 12:21	12/06/24 02:34	1
o-Terphenyl	73		70 - 130				12/05/24 12:21	12/06/24 02:34	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.7		10.0		mg/Kg			12/06/24 01:36	1

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Matrix: Solid

Matrix: Solid

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Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: SW-4 (2.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/05/24 12:39	12/05/24 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/05/24 12:39	12/05/24 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/05/24 12:39	12/05/24 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/05/24 12:39	12/05/24 23:03	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/05/24 12:39	12/05/24 23:03	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398		mg/Kg			12/05/24 23:03	1
	0.00000	U	0.00030		ilig/itg			12/00/24 20:00	-
					iiig/itg			12/00/24 20:00	
Method: SW846 8015 NM - Dies	el Range Organ			MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Dies Analyte	el Range Organ	ics (DRO) (Qualifier	(GC)	MDL		<u>D</u>	Prepared		Dil Fac
Method: SW846 8015 NM - Dies Analyte Total TPH	el Range Organ Result <49.8	ics (DRO) (Qualifier U	(GC) 	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <49.8 esel Range Orga	ics (DRO) (Qualifier U	(GC) 		Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <49.8 esel Range Orga	ics (DRO) (Qualifier U unics (DRO) Qualifier	(GC) - <u>RL</u> 49.8		Unit mg/Kg		<u>.</u>	Analyzed 12/06/24 02:48	1
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.8 esel Range Orga Result	ics (DRO) (Qualifier U mics (DRO) Qualifier U	(GC) - <u>RL</u> 49.8 - (GC) - <u>RL</u>		Unit mg/Kg Unit		Prepared	Analyzed 12/06/24 02:48 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Dies 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 <49.8 esel Range Orga Result <49.8	ics (DRO) (Qualifier U mics (DRO) Qualifier U U	(GC) <u>RL</u> 49.8 (GC) <u>RL</u> 49.8		Unit mg/Kg Unit mg/Kg		Prepared 12/05/24 12:21	Analyzed 12/06/24 02:48 Analyzed 12/06/24 02:48	1 Dil Fac 1
Method: SW846 8015 NM - Dies 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 <49.8 esel Range Orga Result <49.8 <49.8	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	(GC) <u>RL</u> 49.8 (GC) <u>RL</u> 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21	Analyzed 12/06/24 02:48 Analyzed 12/06/24 02:48 12/06/24 02:48	1 Dil Fac 1
Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36) Surrogate	el Range Organ Result <49.8 esel Range Orga Result <49.8 <49.8 <49.8	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	(GC) <u>RL</u> 49.8 (GC) <u>RL</u> 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21	Analyzed 12/06/24 02:48 Analyzed 12/06/24 02:48 12/06/24 02:48	1 Dil Fac 1 1 1
Method: SW846 8015 NM - Dies 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 Result <49.8 esel Range Orga Result <49.8 <49.8 <49.8 <49.8	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	(GC) <u>RL</u> 49.8 (GC) <u>RL</u> 49.8 49.8 49.8 <u>Limits</u>		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared	Analyzed 12/06/24 02:48 Analyzed 12/06/24 02:48 12/06/24 02:48 12/06/24 02:48 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015 NM - Dies 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 o-Terphenyl	el Range Organ Result <49.8 esel Range Orga Result <49.8 <49.8 <49.8 <49.8 %Recovery 98 73	ics (DRO) (Qualifier U Qualifier U U U Qualifier	(GC) RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 49.8 100 70 - 130 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21	Analyzed 12/06/24 02:48 Analyzed 12/06/24 02:48 12/06/24 02:48 12/06/24 02:48 Analyzed 12/06/24 02:48	1 Dil Fac 1 1 1 1 Dil Fac 1
Method: SW846 8015 NM - Dies 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 o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	el Range Organ Result <49.8 esel Range Orga Result <49.8 <49.8 <49.8 <49.8 <49.8 %Recovery 98 73	ics (DRO) (Qualifier U Qualifier U U U Qualifier	(GC) RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 49.8 100 70 - 130 70 - 130 70 - 130	MDL	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21	Analyzed 12/06/24 02:48 Analyzed 12/06/24 02:48 12/06/24 02:48 12/06/24 02:48 Analyzed 12/06/24 02:48	1 Dil Fac 1 1 1 1 Dil Fac 1

Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-9

Matrix: Solid

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

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-51809-A-1-D MS	Matrix Spike	111	101	
80-51809-A-1-E MSD	Matrix Spike Duplicate	97	105	
80-51815-1	CS-1 (2.5')	97	96	
80-51815-2	CS-2 (2.5')	94	91	
80-51815-3	CS-3 (2.5')	98	94	
80-51815-4	CS-4 (2.5')	94	94	
80-51815-5	CS-5 (2.5')	94	91	
80-51815-6	SW-1 (2.5')	98	93	
80-51815-7	SW-2 (2.5')	93	93	
80-51815-8	SW-3 (2.5')	94	95	
80-51815-9	SW-4 (2.5')	102	95	
CS 880-97175/1-A	Lab Control Sample	94	102	
CSD 880-97175/2-A	Lab Control Sample Dup	116	105	
/IB 880-97175/5-A	Method Blank	87	89	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluorobenz				

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

Matrix: Solid

				Percent
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-51809-A-1-B MS	Matrix Spike	100	82	
880-51809-A-1-C MSD	Matrix Spike Duplicate	93	77	
880-51815-1	CS-1 (2.5')	102	77	
880-51815-2	CS-2 (2.5')	95	72	
880-51815-3	CS-3 (2.5')	93	70	
880-51815-4	CS-4 (2.5')	93	70	
880-51815-5	CS-5 (2.5')	97	72	
880-51815-6	SW-1 (2.5')	99	74	
880-51815-7	SW-2 (2.5')	91	69 S1-	
880-51815-8	SW-3 (2.5')	96	73	
880-51815-9	SW-4 (2.5')	98	73	
LCS 880-97173/2-A	Lab Control Sample	119	105	
LCSD 880-97173/3-A	Lab Control Sample Dup	125	111	
MB 880-97173/1-A	Method Blank	88	72	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

5 6 7

Job ID: 880-51815-1

SDG: Eddy Co, NM

Prep Type: Total/NA

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97175/5-A Matrix: Solid Analysis Batch: 96938							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	otal/NA
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 14:10	1
	МВ	МВ							
Surrogate %	Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			12/05/24		12/05/24 14:10	1
1,4-Difluorobenzene (Surr)	89		70 - 130				12/05/24 12:39	12/05/24 14:10	1

Lab Sample ID: LCS 880-97175/1-A Matrix: Solid

Analysis Batch: 96938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09850		mg/Kg		99	70 - 130	
Toluene	0.100	0.09763		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130	
o-Xylene	0.100	0.09588		mg/Kg		96	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-97175/2-A

Matrix: Solid

Analysis Batch: 96938							Prep	Batch:	97175
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09985		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	7	35
Ethylbenzene	0.100	0.1273		mg/Kg		127	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2466		mg/Kg		123	70 - 130	23	35
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130	23	35

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

Lab Sample ID: 880-51809-A-1-D MS

Matrix: Solid

Analysis Batch: 96938							Prep Batch: 97175			
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.09746		mg/Kg		97	70 - 130	
Toluene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	

Eurofins Midland

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 97175
QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00200 <0.00399 <0.00200 MS %Recovery 111 101 MSD	U U MS Qualifier Sample	Spike Added 0.100 0.200 0.100 Limits 70 - 130 70 - 130 Spike	Result 0.1254 0.2372 0.1160	MS Qualifier	Unit mg/Kg mg/Kg mg/Kg	D_	%Rec 125 119 116	Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep T	Dike Dup Type: Tot Batch: 9	97175
Analyte Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00200 <0.00399 <0.00200 MS %Recovery 111 101 MSD Sample	Qualifier U U MS Qualifier	Added 0.100 0.200 0.100 Limits 70 - 130 70 - 130	Result 0.1254 0.2372 0.1160		mg/Kg mg/Kg mg/Kg		125 119 116	%Rec Limits 70 - 130 70 - 130 70 - 130 0: Matrix Sp Prep T	Dike Dup	olicate tal/NA
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00200 <0.00399 <0.00200 MS %Recovery 111 101 MSD Sample	Qualifier U U MS Qualifier	Added 0.100 0.200 0.100 Limits 70 - 130 70 - 130	Result 0.1254 0.2372 0.1160		mg/Kg mg/Kg mg/Kg		125 119 116	Limits 70 - 130 70 - 130 70 - 130 70 - 130 D: Matrix Sp Prep T	· ype: Tot	tal/NA
Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00200 <0.00399 <0.00200 <i>MS</i> %Recovery 111 101 MSD Sample	U U MS Qualifier	0.100 0.200 0.100 <u>Limits</u> 70 - 130 70 - 130	0.1254 0.2372 0.1160	Qualifier	mg/Kg mg/Kg mg/Kg		125 119 116	70 - 130 70 - 130 70 - 130 70 - 130 D: Matrix Sp Prep T	· ype: Tot	tal/NA
m-Xylene & p-Xylene o-Xylene 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00399 <0.00200 <i>MS</i> %Recovery 111 101 MSD Sample	U U MS Qualifier Sample	0.200 0.100 <u>Limits</u> 70 - 130 70 - 130	0.2372 0.1160		mg/Kg mg/Kg	ient S	119 116	70 - 130 70 - 130 D: Matrix Sp Prep T	· ype: Tot	tal/NA
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	<0.00200 MS <u>%Recovery</u> 111 101 MSD Sample	∪ MS Qualifier Sample	0.100 Limits 70 - 130 70 - 130	0.1160		mg/Kg	ient S	116	70 - 130 D: Matrix Sp Prep T	· ype: Tot	tal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	MS <u>%Recovery</u> 111 101 MSD Sample	MS Qualifier Sample	Limits 70 - 130 70 - 130				ient S		D: Matrix Sp Prep T	· ype: Tot	tal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	%Recovery 111 101 MSD Sample	Qualifier Sample	70 - 130 70 - 130			Cli	ient S	ample IC	· Prep T	· ype: Tot	tal/NA
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	111 101 MSD Sample	Sample	70 - 130 70 - 130			Cli	ient S	ample IE	· Prep T	· ype: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	101 MSD Sample		70 - 130			Cli	ient S	ample IE	· Prep T	· ype: Tot	tal/NA
1,4-Difluorobenzene (Surr) Lab Sample ID: 880-51809-A-1-E Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	MSD Sample					Cli	ient S	ample IE	· Prep T	· ype: Tot	tal/NA
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample		Spike	MOD		Cli	ient S	ample IC	· Prep T	· ype: Tot	tal/NA
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample		Spike	MOD		G			· Prep T	· ype: Tot	tal/NA
Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene			Spike	MOD							
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene			Spike						i ieb	Daten.	31113
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene			• • • • • • • • • • • • • • • • • • • •	MSD	MSD				%Rec		RPD
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylbenzene m-Xylene & p-Xylene	<0.00200		0.100	0.1012		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	<0.00200		0.100	0.09857		mg/Kg		99	70 - 130	7	35
	<0.00200		0.100	0.1023		mg/Kg		102	70 - 130	20	35
	<0.00399	U	0.200	0.2008		mg/Kg		100	70 - 130	17	35
e / giene	<0.00200	U	0.100	0.09868		mg/Kg		99	70 - 130	16	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
Nethod: 8015B NM - Diesel R	kange O	rganics (L	KU) (GC)								
Lab Sample ID: MB 880-97173/1-4	A							Client S	Sample ID:	Method I	Blank
Matrix: Solid									Prep T	ype: Tot	tal/NA
Analysis Batch: 97126										Batch:	
-		MB MB									

	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		12/05/24 12:21	12/05/24 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/05/24 20:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/05/24 20:08	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/05/24 12:21	12/05/24 20:08	1

70 - 130

Lab Sample ID: LCS 880-97173/2-A					Client	t Sample
Matrix: Solid						
Analysis Batch: 97126						
	Spike	LCS	LCS			
Analyte	Added	Result	Qualifier	Unit	D	%Rec
Gasoline Range Organics	1000	1246		mg/Kg		125

72

ole ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 97173

12/05/24 20:08

12/05/24 12:21

								Datoin of the
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1246		mg/Kg		125	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1004		mg/Kg		100	70 - 130	
C10-C28)								

1

Eurofins Midland

o-Terphenyl

C10-C28)

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

Lab Sample ID: LCS 880-97	173/2-A						Client	t Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid									Prep 1	Type: Tot	al/N/
Analysis Batch: 97126									Prep	Batch:	9717
	1.05	LCS									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Quaimer	70 - 130								
	105		70 - 130 70 - 130								
p-Terphenyl	105		70 - 130								
Lab Sample ID: LCSD 880-9	97173/3-A					Clier	nt Sam	nple ID: I	Lab Contro	I Sampl	e Du
Matrix: Solid										· Type: Tot	
Analysis Batch: 97126										Batch:	
-			Spike	LCSD	LCSD				%Rec		RP
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			1000	1270		mg/Kg		127	70 - 130	2	2
(GRO)-C6-C10						0 0					
Diesel Range Organics (Over			1000	1061		mg/Kg		106	70 - 130	6	2
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane		Guunner	70 - 130								
o-Terphenyl	120		70 <u>-</u> 130								
Matrix: Solid Analysis Batch: 97126										ype: To Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	877.4		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	765.4		mg/Kg		77	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	82		70 - 130								
											l'a a f
ah Sampla ID: 990 51900						CI	iont C	ample IF	• Matrix Sr	siko Dun	
	A-1-C MSD					Cli	ient Sa	ample ID): Matrix Sp Bron J		
Matrix: Solid	A-1-C MSD					Cli	ient Sa	ample ID	Prep 1	Type: To	al/N
Matrix: Solid		0 ann a la	0 - ilu		NOD	Cli	ient Sa	ample ID	Prep 1 Prep		tal/N 9717
Matrix: Solid Analysis Batch: 97126	Sample	Sample	Spike		MSD				Prep 1 Prep %Rec	Satch:	al/N 9717 RP
Matrix: Solid Analysis Batch: 97126 ^{Analyte}	Sample Result	Qualifier	Added	Result	MSD Qualifier	Unit	ient Sa	%Rec	Prep 1 Prep %Rec Limits	Batch:	al/N 9717 RP Lim
Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics	Sample	Qualifier	-						Prep 1 Prep %Rec	Satch:	al/N 9717 RP Lim
Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10	Sample Result <50.0	Qualifier	Added 995	Result 826.0		_ <mark>Unit</mark> mg/Kg		%Rec 83	Prep 1 Prep %Rec Limits 70 - 130	Type: Tot Batch: RPD 6	tal/N 9717 RP Lim 2
Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample Result	Qualifier	Added	Result		Unit		%Rec	Prep 1 Prep %Rec Limits	Batch:	tal/N 9717 RP Lim 2
Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample 	Qualifier	Added 995	Result 826.0		_ <mark>Unit</mark> mg/Kg		%Rec 83	Prep 1 Prep %Rec Limits 70 - 130	Type: Tot Batch: RPD 6	al/N/ 9717 RP Lim 2
Lab Sample ID: 880-51809-7 Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Sample Result <50.0 <50.0 %Recovery	Qualifier U U MSD	Added 995	Result 826.0		_ <mark>Unit</mark> mg/Kg		%Rec 83	Prep 1 Prep %Rec Limits 70 - 130	Type: Tot Batch: RPD 6	al/N/
Matrix: Solid Analysis Batch: 97126 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Sample 	Qualifier U U MSD	Added 995	Result 826.0		_ <mark>Unit</mark> mg/Kg		%Rec 83	Prep 1 Prep %Rec Limits 70 - 130	Type: Tot Batch: RPD 6	8717 9717 RP Lim

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51815-1 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-97179/1-	A									Client S	ample ID:	Method	Blank
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 97189													
		MB MB											
Analyte	R	esult Qualifier		RL	I	MDL U	Init	D	Р	repared	Analy	zed	Dil Fac
Chloride	<	:10.0 U		10.0		'n	ng/Kg				12/05/24	23:04	1
Lab Sample ID: LCS 880-97179/2	2-A							Cli	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 97189													
			Spike	L	.cs	LCS					%Rec		
Analyte			Added	Re	sult	Qualifi	er Unit		D	%Rec	Limits		
Chloride			250	24	7.8		mg/Kg		_	99	90 _ 110		
Lab Sample ID: LCSD 880-97179	/3-A						CI	ient S	Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid												Type: S	
Analysis Batch: 97189													
-			Spike	LC	SD	LCSD					%Rec		RPD
Analyte			Added	Re	sult	Qualifi	er Unit		D	%Rec	Limits	RPD	Limit
Chloride			250	24	7.9		mg/Kg		_	99	90 _ 110	0	20
Lab Sample ID: 880-51813-A-7-D	MS									Client	Sample IE): Matrix	Spike
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 97189													
-	Sample	Sample	Spike		MS	MS					%Rec		
Analyte	Result	Qualifier	Added	Re	sult	Qualifi	er Unit		D	%Rec	Limits		
Chloride	61.9	F1	249	33	6.7	F1	mg/Kg		_	111	90 - 110		
Lab Sample ID: 880-51813-A-7-E	MSD							Clien	t Sa	ample IC): Matrix S	pike Dur	olicate
Matrix: Solid												Type: S	
Analysis Batch: 97189												7	
	Sample	Sample	Spike	N	ISD	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added	Re	sult	Qualifi	er Unit		D	%Rec	Limits	RPD	Limit
Chloride	61.9	E1	249		5.0		mg/Kg		—	110	90 - 110	0	20

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51815-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 96938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Total/NA	Solid	8021B	97175
880-51815-2	CS-2 (2.5')	Total/NA	Solid	8021B	97175
880-51815-3	CS-3 (2.5')	Total/NA	Solid	8021B	97175
880-51815-4	CS-4 (2.5')	Total/NA	Solid	8021B	97175
880-51815-5	CS-5 (2.5')	Total/NA	Solid	8021B	97175
880-51815-6	SW-1 (2.5')	Total/NA	Solid	8021B	97175
880-51815-7	SW-2 (2.5')	Total/NA	Solid	8021B	97175
880-51815-8	SW-3 (2.5')	Total/NA	Solid	8021B	97175
880-51815-9	SW-4 (2.5')	Total/NA	Solid	8021B	97175
MB 880-97175/5-A	Method Blank	Total/NA	Solid	8021B	97175
LCS 880-97175/1-A	Lab Control Sample	Total/NA	Solid	8021B	97175
LCSD 880-97175/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97175
880-51809-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	97175
880-51809-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	97175

Prep Batch: 97175

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-51815-2	CS-2 (2.5')	Total/NA	Solid	5035	
880-51815-3	CS-3 (2.5')	Total/NA	Solid	5035	
880-51815-4	CS-4 (2.5')	Total/NA	Solid	5035	
880-51815-5	CS-5 (2.5')	Total/NA	Solid	5035	
880-51815-6	SW-1 (2.5')	Total/NA	Solid	5035	
880-51815-7	SW-2 (2.5')	Total/NA	Solid	5035	
880-51815-8	SW-3 (2.5')	Total/NA	Solid	5035	
880-51815-9	SW-4 (2.5')	Total/NA	Solid	5035	
MB 880-97175/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97175/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97175/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51809-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-51809-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 97275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-3	CS-3 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-4	CS-4 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-5	CS-5 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-6	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-7	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-8	SW-3 (2.5')	Total/NA	Solid	Total BTEX	
880-51815-9	SW-4 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 97126

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-3	CS-3 (2.5')	Total/NA	Solid	8015B NM	97173

Eurofins Midland

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Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

GC Semi VOA (Continued)

Analysis Batch: 97126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51815-4	CS-4 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-5	CS-5 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-6	SW-1 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-7	SW-2 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-8	SW-3 (2.5')	Total/NA	Solid	8015B NM	97173
880-51815-9	SW-4 (2.5')	Total/NA	Solid	8015B NM	97173
MB 880-97173/1-A	Method Blank	Total/NA	Solid	8015B NM	97173
LCS 880-97173/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97173
LCSD 880-97173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97173
880-51809-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	97173
880-51809-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	97173
Prep Batch: 97173					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-51815-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-51815-3	CS-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-51815-4	CS-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-51815-5	CS-5 (2.5')	Total/NA	Solid	8015NM Prep	
880-51815-6	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-51815-7	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 97173

Lab Sample ID 880-51815-1	Client Sample ID CS-1 (2.5')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch	
880-51815-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-3	CS-3 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-4	CS-4 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-5	CS-5 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-6	SW-1 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-7	SW-2 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-8	SW-3 (2.5')	Total/NA	Solid	8015NM Prep		
880-51815-9	SW-4 (2.5')	Total/NA	Solid	8015NM Prep		
MB 880-97173/1-A	Method Blank	Total/NA	Solid	8015NM Prep		
LCS 880-97173/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-97173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		
880-51809-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep		
880-51809-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep		

Analysis Batch: 97251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-51815-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-51815-3	CS-3 (2.5')	Total/NA	Solid	8015 NM	
880-51815-4	CS-4 (2.5')	Total/NA	Solid	8015 NM	
880-51815-5	CS-5 (2.5')	Total/NA	Solid	8015 NM	
880-51815-6	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-51815-7	SW-2 (2.5')	Total/NA	Solid	8015 NM	
880-51815-8	SW-3 (2.5')	Total/NA	Solid	8015 NM	
880-51815-9	SW-4 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51815-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-51815-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-51815-3	CS-3 (2.5')	Soluble	Solid	DI Leach	
880-51815-4	CS-4 (2.5')	Soluble	Solid	DI Leach	
880-51815-5	CS-5 (2.5')	Soluble	Solid	DI Leach	
880-51815-6	SW-1 (2.5')	Soluble	Solid	DI Leach	

Job ID: 880-51815-1

SDG: Eddy Co, NM

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

HPLC/IC (Continued)

Leach Batch: 97179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51815-7	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-51815-8	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-51815-9	SW-4 (2.5')	Soluble	Solid	DI Leach	
MB 880-97179/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97179/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51813-A-7-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-51813-A-7-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 97189

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-51815-7	SW-2 (2.5')	Soluble	Solid	DI Leach	
380-51815-8	SW-3 (2.5')	Soluble	Solid	DI Leach	
380-51815-9	SW-4 (2.5')	Soluble	Solid	DI Leach	
MB 880-97179/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97179/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51813-A-7-D MS	Matrix Spike	Soluble	Solid	DI Leach	
380-51813-A-7-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
Lab Sample ID 880-51815-1	Client Sample ID CS-1 (2.5')	Prep Type Soluble	Solid	300.0	Prep Batch 97179
l ah Samala ID	Client Comple ID	Dren Tune	Matrix	Method	Dren Datah
		Soluble	Solid		
380-51815-2 380-51815-3	CS-2 (2.5') CS-3 (2.5')	Soluble	Solid	300.0 300.0	97179 97179
380-51815-4	CS-4 (2.5')	Soluble	Solid	300.0	97179
880-51815-5	CS-5 (2.5')	Soluble	Solid	300.0	97179
880-51815-6	SW-1 (2.5')	Soluble	Solid	300.0	97179
380-51815-7	SW-2 (2.5')	Soluble	Solid	300.0	97179
380-51815-8	SW-3 (2.5')	Soluble	Solid	300.0	97179
880-51815-9	SW-4 (2.5')	Soluble	Solid	300.0	97179
MB 880-97179/1-A	Method Blank	Soluble	Solid	300.0	97179
_CS 880-97179/2-A	Lab Control Sample	Soluble	Solid	300.0	97179
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	97179
880-51813-A-7-D MS	Matrix Spike	Soluble	Solid	300.0	97179
000-51015-A-7-D WIS	1				

Job ID: 880-51815-1

SDG: Eddy Co, NM

Client Sample ID: CS-1 (2.5')

Project/Site: Potato Baby 902H Ranger 5540

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Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-1

Matrix: Solid

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Client: Carmona Resources

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 20:19	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 20:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 00:42	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 00:49	СН	EET MID

Lab Sample ID: 880-51815-2

Lab Sample ID: 880-51815-3

Lab Sample ID: 880-51815-4

Matrix: Solid

Matrix: Solid

Client Sample ID: CS-2 (2.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 20:40	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 20:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 00:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 00:58	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 00:54	СН	EET MID

Client Sample ID: CS-3 (2.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 21:00	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 21:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 01:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 01:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 01:10	СН	EET MID

Client Sample ID: CS-4 (2.5') Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

	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	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 21:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 21:21	AJ	EET MID

Eurofins Midland

Matrix: Solid

Client Sample ID: CS-4 (2.5') Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			97251	12/06/24 01:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 01:30	ТКС	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 01:15	СН	EET MID

Client Sample ID: CS-5 (2.5') Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Туре Run Factor Analyst Lab Total/NA 5035 Prep 5.01 g 5 mL 97175 12/05/24 12:39 AA EET MID Total/NA Analysis 8021B 5 mL 5 mL 96938 12/05/24 21:41 EL EET MID 1 Total/NA Total BTEX Analysis 1 97275 12/05/24 21:41 AJ EET MID Total/NA Analysis 8015 NM 97251 12/06/24 01:46 SM EET MID 1 Total/NA Prep 8015NM Prep 10.03 g 10 mL 97173 12/05/24 12:21 EL EET MID Total/NA Analysis 8015B NM 1 uL 97126 12/06/24 01:46 ткс EET MID 1 uL 1 Soluble Leach **DI Leach** 4.99 g 50 mL 97179 12/05/24 13:05 SA EET MID Soluble Analysis 300.0 1 50 mL 50 mL 97189 12/06/24 01:20 СН EET MID

Client Sample ID: SW-1 (2.5')

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 22:02	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 22:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 02:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 02:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 01:26	CH	EET MID

Client Sample ID: SW-2 (2.5') Date Collected: 12/04/24 00:00

Date	Received:	12/05/24	11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 22:22	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 22:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 02:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 02:18	TKC	EET MID

Eurofins Midland

Matrix: Solid

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Job ID: 880-51815-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51815-4

Lab Sample ID: 880-51815-5

Lab Sample ID: 880-51815-6

Lab Sample ID: 880-51815-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 880-51815-1 SDG: Eddy Co, NM

Client Sample ID: SW-2 (2.5') Date Collected: 12/04/24 00:00

Project/Site: Potato Baby 902H Ranger 5540

Date Received: 12/05/24 11:10

Client: Carmona Resources

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 01:31	CH	EET MID

Client Sample ID: SW-3 (2.5') Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 22:43	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 22:43	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 02:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 02:34	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 01:36	СН	EET MID

Client Sample ID: SW-4 (2.5') Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 23:03	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97275	12/05/24 23:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97251	12/06/24 02:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/06/24 02:48	ТКС	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/06/24 01:41	CH	EET MID

Laboratory References:

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

Lab Sample ID: 880-51815-7 Matrix: Solid

Lab Sample ID: 880-51815-8

Lab Sample ID: 880-51815-9

Matrix: Solid

Matrix: Solid

Job ID: 880-51815-1 SDG: Eddy Co, NM

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Laboratory: Eurofins Midland

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

uthority	Progra	im	Identification Number	Expiration Date
exas	NELAF	0	T104704400	06-30-25
T I C II · · · · ·				والمساوية والانتقام والمساد المساو
for which the agency	does not offer certification.	2	fied by the governing authority. This list	t may include analytes
for which the agency Analysis Method	1 /	Matrix	Analyte	t may include analytes
for which the agency	does not offer certification.	2	, , , , , , , , , , , , , , , , , , , ,	t may include analytes

Eurofins Midland

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-51815-1 SDG: Eddy Co, NM

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3021B			•
	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3015B 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
OI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
SW846 = "Te	nvironmental Protection Agency est Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ec ēstAmerica Laboratories, Standard Operating Procedure	lition, November 1986 And Its Updates.	
	espanienca Laboratories, Standard Operating Procedure		
Laboratory Refe			
EET MID = E	Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Method Summary

Laboratory References:

Eurofins Midland

Sample Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-51815-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51815-1	CS-1 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-2	CS-2 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-3	CS-3 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-4	CS-4 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-5	CS-5 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-6	SW-1 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-7	SW-2 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-8	SW-3 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10
880-51815-9	SW-4 (2.5')	Solid	12/04/24 00:00	12/05/24 11:10

		Comments: Email	SW-4 (2.5')	SW-3 (2.5')	SW-2 (2.5')	SW-1 (2.5')	CS-5 (2.5')	CS-4 (2.5')	CS-3 (2.5')	CS-2 (2.5')	CS-1 (2.5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:		Project Manager:	
	71	Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmona	2.5')	2.5')	2.5')	2.5')	2.5')	2.5')	2.5')	2.5')	.5')	tification		Yes	Yes	Yes						Potato Ba	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring	
Nan	Relinquished I	ona / Mcarmo	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	12/4/2024	Date	(NO NIA	NO NIA	No	Temp Blank:		CMM	Eddy Co, NM	2502	Potato Baby 902H Ranger 5540		701	Ste 500	Irces	Ď	
692	Relinquished by: (Signature)	ona@carmon										Time	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No	0				ıger 5540						
		aresources.c	×	×	×	×	×	×	×	×	×	Soil	iperature:	Reading:	tor	Þ	Wet Ice:		I	Due Date:	Routine	T	Email:					
		om and Conn										Water c	· 5 ·	N	1.1	TRK	Yes			24 Hrs	Rush	Turn Around	ail: mcarmona@carmonaresources.com	City, State ZIP:	Address:	Company Name	Bill to: (if different)	
41		ier Moeh	C	n	0	C	C	C	n	ი	0	Grab/ #	2				No			1 00	0.7		@carmo	P		ame:	rent)	-
5	Da	ring / C	1				1	-		-		# of Cont				_		ers			Code		naresou				Ca	
124 @ 11:02	Date/Time	moehri	X X	××	×	×	××	××	××	×		TP	H 80			(80: RO +		D + N	IRO)			IFCeS.CO				amona F	
:02		ng@car	×	×	×	×	×	×	×	×	×			c	hlo	ride	300						B				Carmona Resources	
		resources.com													-	-	-				-	ANAL						
F	-	s.com																				YSIS R						
6	Received by: (Signature)																					ANALYSIS REQUEST	Deliveral	Reportin	State of Project:	Program]
	(Signatu			-												_	-		_				Deliverables: EDD	Reporting:Level II Level III	Project:	Program: UST/PST PRP prownfields		
	re)																								I		Wor	
				-						-	-		-		-	_			_	_	\vdash		ADal			Irow	k Order	
												S	NaOH+	Zn Acel	Na ₂ S ₂ C	NaHSO	H3PO4: HP	H2S04: H2	HCL: HC	Cool: Cool	None: NO	P					Work Order Comments	Pa
hal												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	Ŧ	H ₂	0	00	ō	Preservative Codes	Other:	RRP		RC	ints	Page 1
2	Date/Time											ommer	Acid: SA	H: Zn				NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	ive Coc		Leve	1	Dperfund		우.
UTQ 1	le											nts	PC					Na	HN	Me	er: H ₂ C	les				fund		-

12/6/2024

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13

Chain of Custody

14

Job Number: 880-51815-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 51815 List Number: 1

<6mm (1/4").

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	



Environment Testing

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PREPARED FOR

ANALYTICAL REPORT

Attn: Conner Moehring Carmona Resources 310 W Wall St Ste 500 Midland, Texas 79701 Generated 12/6/2024 12:26:19 PM

JOB DESCRIPTION

Potato Baby 902H Ranger 5540 Eddy Co, NM

JOB NUMBER

880-51809-1

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

AMER

Generated 12/6/2024 12:26:19 PM

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

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

Laboratory Job ID: 880-51809-1 SDG: Eddy Co, NM

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Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-51809-1 SDG: Eddy Co, NM

MQL

NC

ND

NEG

POS

PQL

PRES QC

RER

RL RPD

TEF

TEQ

TNTC

Qualifiers		- 3
GC VOA		
Qualifier	Qualifier Description	_ 4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	_
U	Indicates the analyte was analyzed for but not detected.	8
Glossary		9
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	10
%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	4.0
DL	Detection Limit (DoD/DOE)	13
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Eurofins Midland

Case Narrative

Client: Carmona Resources Project: Potato Baby 902H Ranger 5540 Job ID: 880-51809-1

Job ID: 880-51809-1

Eurofins Midland

Job Narrative 880-51809-1

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 12/5/2024 11:10 AM. 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 -5.2°C.

Receipt Exceptions

The following samples received and analyzed from an unpreserved bulk soil jar: Backfill (880-51809-1).

GC VOA

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

Diesel Range Organics

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-97179 and analytical batch 880-97189 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.

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 Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Client Sample ID: Backfill

Date Collected: 12/04/24 00:00 Date Received: 12/05/24 11:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/05/24 12:39	12/05/24 14:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/05/24 12:39	12/05/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				12/05/24 12:39	12/05/24 14:32	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/05/24 12:39	12/05/24 14:32	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<0.00399		0.00399		mg/Kg			12/05/24 14:32	1
					iiig/Kg			12/00/24 14.02	
Analyte	I Range Organ Result	<mark>ics (DRO) (</mark> Qualifier	GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	l Range Organ	<mark>ics (DRO) (</mark> Qualifier	GC)	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH	I Range Organ Result <50.0	<mark>ics (DRO) (</mark> Qualifier U	GC) 	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	I Range Organ - Result <50.0 sel Range Orga	<mark>ics (DRO) (</mark> Qualifier U	GC) 	MDL	Unit mg/Kg	<u>D</u> 	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte	I Range Organ - Result <50.0 sel Range Orga	ics (DRO) (Qualifier U nnics (DRO) Qualifier	GC) <u>RL</u> 50.0		Unit mg/Kg			Analyzed 12/05/24 20:58	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	I Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U mics (DRO) Qualifier U	GC) 		Unit mg/Kg Unit		Prepared	Analyzed 12/05/24 20:58 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	I Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) (Qualifier U mics (DRO) Qualifier U U	GC) 		Unit mg/Kg Unit mg/Kg		Prepared 12/05/24 12:21	Analyzed 12/05/24 20:58 Analyzed 12/05/24 20:58	Dil Fac 1 Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	I Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21	Analyzed 12/05/24 20:58 Analyzed 12/05/24 20:58 12/05/24 20:58	Dil Fac 1 Dil Fac 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	I Range Organ 	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21	Analyzed 12/05/24 20:58 Analyzed 12/05/24 20:58 12/05/24 20:58 12/05/24 20:58	Dil Fac 1 Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH 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	I Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0	ics (DRO) (Qualifier U mics (DRO) Qualifier U U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared	Analyzed 12/05/24 20:58 Analyzed 12/05/24 20:58 12/05/24 20:58 12/05/24 20:58 Analyzed	Dil Fac 1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH 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	I Range Organ Result c50.0 cel Range Orga Result c50.0 c50.0 c50.0 c50.0 c50.0 %Recovery 98 73	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U Qualifier	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21	Analyzed 12/05/24 20:58 Analyzed 12/05/24 20:58 12/05/24 20:58 12/05/24 20:58 Analyzed 12/05/24 20:58	Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	I Range Organ Result <pre><50.0</pre> <pre>sel Range Orga</pre> <pre>Result</pre> <pre><50.0</pre> <pre><50.0</pre> <pre><50.0</pre> <pre><50.0</pre> <pre><50.0</pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U Qualifier	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 <u>Limits</u> 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 12/05/24 12:21 12/05/24 12:21 12/05/24 12:21 Prepared 12/05/24 12:21	Analyzed 12/05/24 20:58 Analyzed 12/05/24 20:58 12/05/24 20:58 12/05/24 20:58 Analyzed 12/05/24 20:58	Dil Fac 1 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Job ID: 880-51809-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51809-1

Matrix: Solid

Eurofins Midland

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

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

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-51809-1	Backfill	90	94	
880-51809-1 MS	Backfill	111	101	
380-51809-1 MSD	Backfill	97	105	
_CS 880-97175/1-A	Lab Control Sample	94	102	
_CSD 880-97175/2-A	Lab Control Sample Dup	116	105	
MB 880-97175/5-A	Method Blank	87	89	
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 (70-130) Lab Sample ID **Client Sample ID** (70-130) 880-51809-1 Backfill 98 73 880-51809-1 MS Backfill 100 82 880-51809-1 MSD Backfill 77 93 LCS 880-97173/2-A Lab Control Sample 119 105 Lab Control Sample Dup LCSD 880-97173/3-A 125 111 MB 880-97173/1-A Method Blank 88 72

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 880-51809-1 SDG: Eddy Co, NM

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Prep Type: Total/NA

5 6

Eurofins Midland

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-97175/ Matrix: Solid Analysis Batch: 96938	5-A							Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 97175			
	MB	МВ									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1		
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1		
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1		
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 14:10	1		
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/24 12:39	12/05/24 14:10	1		
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/24 12:39	12/05/24 14:10	1		
	МВ	МВ									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	87		70 - 130				12/05/24 12:39	12/05/24 14:10	1		
1,4-Difluorobenzene (Surr)	89		70 - 130				12/05/24 12:39	12/05/24 14:10	1		
Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	<0.00400	U <i>MB</i>	0.00400 Limits 70 - 130				12/05/24 12:39 Prepared 12/05/24 12:39	12/05/24 14:10 Analyzed 12/05/24 14:10			

Lab Sample ID: LCS 880-97175/1-A Matrix: Solid

Analysis Batch: 96938

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09850		mg/Kg		99	70 - 130	
Toluene	0.100	0.09763		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130	
o-Xylene	0.100	0.09588		mg/Kg		96	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-97175/2-A

Matrix: Solid

Analysis Batch: 96938							Prep	Batch:	97175
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09985		mg/Kg		100	70 - 130	1	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	7	35
Ethylbenzene	0.100	0.1273		mg/Kg		127	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.2466		mg/Kg		123	70 - 130	23	35
o-Xylene	0.100	0.1213		mg/Kg		121	70 - 130	23	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-51809-1 MS

Matrix: Solid

Analysis Batch: 96938									Prep	Batch: 97175
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.09746		mg/Kg		97	70 - 130	
Toluene	<0.00200	U	0.100	0.1053		mg/Kg		105	70 - 130	

Client Sample ID: Backfill

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 97175

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QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-51809-1 SDG: Eddy Co, NM

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

Lab Sample ID: 880-51809-1 M Matrix: Solid	IS							C	lient Samp Prep 1	ole ID: B Type: To	
Analysis Batch: 96938										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	<0.00200	U	0.100	0.1254		mg/Kg		125	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2372		mg/Kg		119	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1160		mg/Kg		116	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	111		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								
-	ISD							C	lient Samp Prep 1	Die ID: В Гуре: То	
Matrix: Solid		Comple	Spille	MCD	MCD			C	Prep 1 Prep		tal/NA 97175
Matrix: Solid Analysis Batch: 96938	Sample	•	Spike		MSD	11-14			Prep 1 Prep %Rec	Type: To Batch:	tal/NA 97175 RPD
Matrix: Solid Analysis Batch: 96938 Analyte	Sample Result	Qualifier	Added	Result	MSD Qualifier	Unit	<u>D</u>	%Rec	Prep 1 Prep %Rec Limits	Type: To Batch: 	tal/NA 97175 RPD Limit
Matrix: Solid Analysis Batch: 96938 Analyte Benzene	Sample 	Qualifier	Added	Result 0.1012		mg/Kg	<u>D</u>	%Rec 101	Prep 7 Prep %Rec Limits 70 - 130	Type: To Batch: RPD 4	tal/NA 97175 RPD Limit 35
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene	Sample Result <0.00200 <0.00200	Qualifier U U	Added 0.100 0.100	Result 0.1012 0.09857		mg/Kg mg/Kg	<u>D</u>	%Rec 101 99	Prep 7 Prep %Rec Limits 70 - 130 70 - 130	Type: To Batch: RPD 4 7	tal/NA 97175 RPD Limit 35 35
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene	Sample Result <0.00200 <0.00200 <0.00200	Qualifier U U U	Added 0.100 0.100 0.100	Result 0.1012 0.09857 0.1023		mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 101 99 102	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: RPD 4 7 20	tal/NA 97175 RPD Limit 35 35 35
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00200 <0.00200 <0.00200 <0.00399	Qualifier U U U U	Added 0.100 0.100 0.100 0.200	Result 0.1012 0.09857 0.1023 0.2008		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 101 99 102 100	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 4 7 20 17 17	tal/NA 97175 RPD Limit 35 35 35 35
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00200 <0.00200 <0.00200	Qualifier U U U U	Added 0.100 0.100 0.100	Result 0.1012 0.09857 0.1023		mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 101 99 102	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: RPD 4 7 20	tal/NA 97175 RPD Limit 35 35 35
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00200	Qualifier U U U U U U	Added 0.100 0.100 0.100 0.200	Result 0.1012 0.09857 0.1023 0.2008		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 101 99 102 100	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 4 7 20 17 17	tal/NA 97175 RPD Limit 35 35 35 35
Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Sample Result <0.00200	Qualifier U U U U U U MSD	Added 0.100 0.100 0.100 0.200	Result 0.1012 0.09857 0.1023 0.2008		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 101 99 102 100	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 4 7 20 17 17	tal/NA 97175 RPD Limit 35 35 35 35
Lab Sample ID: 880-51809-1 M Matrix: Solid Analysis Batch: 96938 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	Sample Result <0.00200 <0.00200 <0.00200 <0.00399 <0.00200 MSD	Qualifier U U U U U U MSD	Added 0.100 0.100 0.100 0.200 0.100	Result 0.1012 0.09857 0.1023 0.2008		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 101 99 102 100	Prep Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130	RPD 4 7 20 17 17	tal/NA 97175 RPD Limit 35 35 35 35

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

Lab Sample ID: MB 880-97173/1-/ Matrix: Solid Analysis Batch: 97126							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	fotal/NA
Arrelada			51		11		Description	A	
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/05/24 20:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/05/24 20:08	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/05/24 12:21	12/05/24 20:08	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/05/24 12:21	12/05/24 20:08	1
o-Terphenyl	72		70 - 130				12/05/24 12:21	12/05/24 20:08	1
Lab Sample ID: LCS 880-97173/2- Matrix: Solid	-A					C	lient Sample I	D: Lab Control Prep Type: 1	

Analysis Batch: 97126

Analysis Batch: 97126							Prep Batch: 971		
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1246		mg/Kg		125	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1004		mg/Kg		100	70 - 130		
C10-C28)									

Eurofins Midland

QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Method: 8015B NM - Diesel Ra

Project/Site: Potato Baby 902F	Ranger 5540								SDG	: Eddy C	o, NM	
Method: 8015B NM - Die	sel Range O	rganics (I	DRO) (GC) (Continue	ed)							
Lab Sample ID: LCS 880-97 Matrix: Solid Analysis Batch: 97126	173/2-A						Client	Sample		ontrol S Type: To Batch:	tal/NA	
Analysis batch. or 120	LCS	LCS							1.04	Batom	51110	5
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane			70 - 130									
o-Terphenyl	105		70 - 130									
												7
Lab Sample ID: LCSD 880-9	7173/3-A					Clie	nt Sam	ple ID:	Lab Contro	ol Sampl	le Dup	
Matrix: Solid									Prep 1	Гуре: То	tal/NA	8
Analysis Batch: 97126									Prep	Batch:	97173	
			Spike	LCSD	LCSD				%Rec		RPD	9
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics			1000	1270		mg/Kg		127	70 - 130	2	20	
(GRO)-C6-C10												
Diesel Range Organics (Over			1000	1061		mg/Kg		106	70 - 130	6	20	
C10-C28)												
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	125		70 - 130									
o-Terphenyl	111		70 - 130									13
Lab Sample ID: 880-51809-1	MS							c	lient Samp	ole ID: B	ackfill	
Matrix: Solid										Гуре: То		
Analysis Batch: 97126									Prep	Batch:	97173	

Analysis Batch: 97126									Prep	Batch: 97173
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	877.4		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	995	765.4		mg/Kg		77	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-51809-1 MSD Matrix: Solid

Analysis Batch: 97126									Prep	Batch:	97173
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	826.0		mg/Kg		83	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	700.7		mg/Kg		70	70 - 130	9	20
	MSD	MSD									

Surrogate	%Recovery Qu	ualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	77		70 - 130

Client Sample ID: Backfill Prep Type: Total/NA

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QC Sample Results

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51809-1 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

 Lab Sample ID: MB 880-97179/1-A											(Client S	Sample ID	Method	Blank
Matrix: Solid														o Type: S	
Analysis Batch: 97189														.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
·		мв м	ИВ												
Analyte	R	esult C	Qualifier		RL		MDL	Unit		D	Pr	epared	Anal	/zed	Dil Fac
Chloride	~	<10.0 U	J		10.0			mg/Kg					12/05/24	4 23:04	1
- Lab Sample ID: LCS 880-97179/2-A										Clie	ent	Sample	BID: Lab (Control S	ample
Matrix: Solid													Pre	o Type: S	oluble
Analysis Batch: 97189															
-				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride				250		247.8			mg/Kg			99	90 _ 110	·	
 Lab Sample ID: LCSD 880-97179/3-	Δ								Cli	ent S	am	ole ID:	Lab Contr	ol Sampl	le Dup
Matrix: Solid														o Type: S	
Analysis Batch: 97189															
				Spike		LCSD	LCSI	C					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride				250		247.9			mg/Kg			99	90 - 110	0	20
 Lab Sample ID: 880-51809-1 MS												c	lient Sam	ple ID: B	ackfill
Matrix: Solid														o Type: S	
Analysis Batch: 97189															
	Sample	Sample	е	Spike		MS	MS						%Rec		
Analyte	Result	Qualifi	ier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chloride	72.2	F1		248		350.5	F1		mg/Kg			112	90 - 110		
_ Lab Sample ID: 880-51809-1 MSD												c	lient Sam	ple ID: B	ackfill
Matrix: Solid														Type: S	
Analysis Batch: 97189														,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Sample	Sample	е	Spike		MSD	MSD						%Rec		RPD
Analyte	•	Qualifi		Added		Result	Qual	ifior	Unit		D	%Rec	Limits	RPD	Limit
Analyte						Result	acuur		onne						

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51809-1 SDG: Eddy Co, NM

GC VOA

Analysis Batch: 96938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51809-1	Backfill	Total/NA	Solid	8021B	97175
MB 880-97175/5-A	Method Blank	Total/NA	Solid	8021B	97175
LCS 880-97175/1-A	Lab Control Sample	Total/NA	Solid	8021B	97175
LCSD 880-97175/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	97175
880-51809-1 MS	Backfill	Total/NA	Solid	8021B	97175
880-51809-1 MSD	Backfill	Total/NA	Solid	8021B	97175
rep Batch: 97175					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51809-1	Backfill	Total/NA	Solid	5035	
MB 880-97175/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-97175/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-97175/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51809-1 MS	Backfill	Total/NA	Solid	5035	
880-51809-1 MSD	Backfill	Total/NA	Solid	5035	
analysis Batch: 9727	2				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51809-1	Backfill	Total/NA	Solid	Total BTEX	

Analysis Batch: 97126

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51809-1	Backfill	Total/NA	Solid	8015B NM	97173
MB 880-97173/1-A	Method Blank	Total/NA	Solid	8015B NM	97173
LCS 880-97173/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	97173
LCSD 880-97173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	97173
880-51809-1 MS	Backfill	Total/NA	Solid	8015B NM	97173
880-51809-1 MSD	Backfill	Total/NA	Solid	8015B NM	97173

Prep Batch: 97173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51809-1	Backfill	Total/NA	Solid	8015NM Prep	
MB 880-97173/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-97173/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-97173/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51809-1 MS	Backfill	Total/NA	Solid	8015NM Prep	
880-51809-1 MSD	Backfill	Total/NA	Solid	8015NM Prep	
nalysis Batch: 97248					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51809-1	Backfill	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 97179

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-51809-1	Backfill	Soluble	Solid	DI Leach	
MB 880-97179/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-97179/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

HPLC/IC (Continued)

Leach Batch: 97179 (Continued)

Lab Sample ID 880-51809-1 MS 880-51809-1 MSD	Client Sample ID Backfill Backfill	Prep Type Soluble Soluble	Matrix Solid Solid	DI Leach	Prep Batch
Analysis Batch: 97189)				
Lab Sample ID 880-51809-1	Client Sample ID Backfill	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 97179

880-51809-1	Backfill	Soluble	Solid	300.0
MB 880-97179/1-A	Method Blank	Soluble	Solid	300.0
LCS 880-97179/2-A	Lab Control Sample	Soluble	Solid	300.0
LCSD 880-97179/3-A	Lab Control Sample Dup	Soluble	Solid	300.0
880-51809-1 MS	Backfill	Soluble	Solid	300.0
880-51809-1 MSD	Backfill	Soluble	Solid	300.0

Job ID: 880-51809-1 SDG: Eddy Co, NM

97179 97179

97179 97179 97179 8

Eurofins Midland

Client Sample ID: Backfill Date Collected: 12/04/24 00:00

Date Received: 12/05/24 11:10

	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	97175	12/05/24 12:39	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96938	12/05/24 14:32	EL	EET MID
Total/NA	Analysis	Total BTEX		1			97272	12/05/24 14:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			97248	12/05/24 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	97173	12/05/24 12:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	97126	12/05/24 20:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	97179	12/05/24 13:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	97189	12/05/24 23:19	СН	EET MID

Laboratory References:

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

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Job ID: 880-51809-1 SDG: Eddy Co, NM

Lab Sample ID: 880-51809-1

Matrix: Solid

Eurofins Midland

Job ID: 880-51809-1 SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAI	P	T104704400	06-30-25
for which the agency do	bes not offer certification.	·	ied by the governing authority. This list	t may include analytes
for which the agency do Analysis Method		Matrix	Analyte	t may include analytes
for which the agency do	bes not offer certification.	·		t may include analytes

Eurofins Midland

4-

Method Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540

Job ID: 880-51809-1 SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
OI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
SW846 =	Environmental Protection Agency "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi = TestAmerica Laboratories, Standard Operating Procedure	tion, November 1986 And Its Updates.	
Laboratory R			

Laboratory References:

Eurofins Midland

Sample Summary

Client: Carmona Resources Project/Site: Potato Baby 902H Ranger 5540 Job ID: 880-51809-1 SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51809-1	Backfill	Solid	12/04/24 00:00	12/05/24 11:10

6 7 8 9 10 11 12 Chain of Custody

		Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonares				Backfill	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:	
Car	R	I to Mike Carmo				ail	ntification		Yes	Yes	Yes						Potato Ba	432-813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring	
Ň	Relinquished by: (Signature)	na / Mcarmo				12/4/2024	Date	(NIA	NO NIA		Temp Blank:		CMM	Eddy Co, NM	2502	Potato Baby 902H Ranger 5540		01	te 500	rces	g	
}	y: (Signature)	na@carmona					Time	Corrected Temperature:	Temperature Reading:	Correction Factor.	Thermometer ID:	Yes No	2				ger 5540						
		resources.co				×	Soil	perature:	eading:	or.	Ņ	Wet Ice:			Due Date:	Routine	Tu	Ema					
		m and Conne					Water c	-5	5		TRS	Yes No			24 Hrs	Rush	Turn Around	Email: mcarmona@carmonaresources.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	
12	-	er Moehring			+	-	Grab/ # of Comp Cont	2		P	arai	nete	rs	1		Code	,	@carmonares	Ģ		me:	ent)	
5/240	Date/Time	/ Cmoehr				×	ТР	H 80'	-	TEX	-	_) + 1	MRO)			ources.co				Carmona Resources	
11.02		ing@carr				×			с	hlor	ide	300						Ē				Resources	
					_					_			•	_									
12		ources.com						_									ANALYS						
	Rece	Ĕ		\mathbb{H}	+	+		-	-		-						ANALYSIS REQUEST						
	Received by: (Signature)			\square					_								JEST	Deliverables: EDD	Reporting	State of Project:	Program		
	Signature								_						_			les: EDD	Reporting:Level II Level III	^o roject:	: UST/PS1		
	()			H	-	-				_	-	-				-					PRP	Work C	
								Z	Zn	Na	Na	H ₃	H ₂	н	co	No]	rownfie	Work Order Comments	
12	-						Sample	OH+Ascor	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	H ₃ PO ₄ : HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Preser	J Other:	Г		Program: UST/PST PRP prownfields RC	nments	Page
5	Date/Time						Sample Comments	NaOH+Ascorbic Acid: SAPC	aOH: Zn	503	SIB		NaOH: Na	HNO3: HN	MeOH: Me	DI Wa	Preservative Codes	⁹ 7			c Dperfund		1 of
0110	me						nts	APC					Na	HN	: Me	DI Water: H ₂ O	des]	fund		

12/6/2024

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Job Number: 880-51809-1 SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Sample Receipt Checklist

Client: Carmona Resources

Login Number: 51809 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	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

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QUESTIONS

Action 418331

QUESTIONS				
Operator:	OGRID:			
COG OPERATING LLC	229137			
600 W Illinois Ave	Action Number:			
Midland, TX 79701	418331			
	Action Type:			
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)			

QUESTIONS

nAPP2433733388
NAPP2433733388 POTATO BABY ST 34N CTB @ 0
Produced Water Release
Remediation Closure Report Received
[fAPP2129346593] POTATO BABY ST 34N CTB

Location of Release Source

Please answer all the questions in this group.	
Site Name	POTATO BABY ST 34N CTB
Date Release Discovered	08/08/2024
Surface Owner	State

Incident Details

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.					
Crude Oil Released (bbls) Details	Not answered.				
Produced Water Released (bbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.				
Is the concentration of chloride in the produced water >10,000 mg/l	Yes				
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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Midland, TX 79701

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

418331

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Action Type:

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QUESTIONS, Page 2

Action 418331

	QUESTIONS (continued)	ntinued)
	OGRID:	OGRID:
COG OPERATING LLC	229137	229137
600 W Illinois Ave	Action Number:	Action Number:

QUESTIONS

Operator:

Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.				
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No				
Reasons why this would be considered a submission for a notification of a major release	Unavailable.				
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	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of vvaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician

Email: brittany.Esparza@ConocoPhillips.com

Date: 12/02/2024

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QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	418331
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	Νο
What is the minimum distance, between the closest lateral extents of the release an	id the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
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 t	hat apply or are indicated. This information must be provided to	o 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 de	emonstrating the lateral and vertical extents of soil contaminatio	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertication	al extents of contamination been fully delineated	Yes
Was this release entirely of	contained within a lined containment area	No
Soil Contamination Sampling	g: (Provide the highest observable value for each, in m	illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	1280
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	3820
GRO+DRO	(EPA SW-846 Method 8015M)	3820
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1
	NMAC unless the site characterization report includes complete nelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date w	ill the remediation commence	11/21/2024
On what date will (or did) t	he final sampling or liner inspection occur	12/04/2024
On what date will (or was)	the remediation complete(d)	12/06/2024
What is the estimated surf	ace area (in square feet) that will be reclaimed	0
What is the estimated volu	me (in cubic yards) that will be reclaimed	0
What is the estimated surf	ace area (in square feet) that will be remediated	950
What is the estimated volu	me (in cubic yards) that will be remediated	120
These estimated dates and measu	urements are recognized to be the best guess or calculation at th	he time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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Action 418331

QUESTIONS (continued)		
Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137 Action Number: 418331	
	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	POTATO BABY ST 34N CTB [fAPP2129346593]	
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)	Not answered.	
(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.

Date. 01/08/2025	I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/08/2025
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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 (continued)		
Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	418331	
	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	Νο	

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QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	418331
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	407407
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/04/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1105

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	950	
What was the total volume (cubic yards) remediated	120	
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	Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/08/2025
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QUESTIONS (continued)

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

QUESTIONS

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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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Action 418331

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CONDITIONS

Operator:		OGRID:
COG OPERA	ITING LLC	229137
600 W Illinois	s Ave	Action Number:
Midland, TX	79701	418331
		Action Type:
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/17/2025
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/17/2025

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