



SITE INFORMATION

Closure Report
Hamon A Federal Com #002H (02.22.2019)
Incident ID: nAB1907830479
Lea County, New Mexico
Unit D, Sec 18, T20S, R34E
32.57989°, -103.60529°

Crude Oil & Produced Water Release
Point of Release: Wellhead Packing Blowout
Release Date: 02.22.2019
Volume Released: 45 Barrels of Crude Oil & 45 Barrels of Produced Water
Volume Recovered: 40 Barrels of Crude Oil & 40 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Coterra Energy Operating Co.
6001 Deauville Blvd.
Suite 300N
Midland, Texas 79706

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



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February 3, 2026

New Mexico Oil Conservation District
1220 South St, France Drive
Santa Fe, NM 87505

Re: **Closure Report**
Hamon A Federal Com #002H (02.22.2019)
Incident ID: nAB1907830479
Coterra Energy Operating Co.
Site Location: Unit D, Sec 18, T20S, R34E
32.57989°, -103.60529°
Lea County, New Mexico

To whom it may concern:

At the request of Coterra Energy Operating Co. (Coterra, formerly known as Avant Operating, LLC) Carmona Resources LLC, has prepared this letter to document the confirmation sampling conducted at the Hamon A Federal Com #002H, located at 32.57989°, -103.60529° within Unit D, S18, T20S, R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 22, 2019, due to a wellhead packing blowout. The incident resulted in the release of approximately forty-five (45) barrels of crude oil and forty-five (45) barrels of produced water, with forty (40) barrels of crude oil and forty (40) barrels of produced water were recovered. The release area is approximately 3,800 square feet. The spill boundary is shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water source within a 0.50-mile radius of the location. The nearest Groundwater Determination Bore (GWDB) is located approximately 0.03 miles South of the site in S18, T20S, R34E (32.579444°, -103.605583°) and was drilled in 2026. The GWDB was drilled to 105 feet below ground surface (ft bgs) and did not have evidence of groundwater present after 72 hours. A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg.



4.0 Confirmation Sampling Activities

On January 13, 2026, Carmona Resources personnel were onsite to oversee a surface scrape and collect confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via NMOCD portal on January 9, 2026, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The entire area was scraped to depths ranging between 0-0.25'. A total of twenty-five (25) confirmation surface samples (CS-1 through CS-25) were collected every 200 square feet to ensure the proper removal of the contaminated soils. Composite confirmation sidewall samples were not collected due to the excavation being less than 1.0' in depth. Seven (7) horizontal samples (H-1 through H-7) were collected around the excavated area to horizontally define the release area. For chemical analysis, the soil samples were collected and placed into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas, in accordance with established chain-of-custody protocols. 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.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and Chlorides. Refer to Table 1. The confirmation sample locations are shown in Figures 3A and 3B.

Approximately 3,800 square feet of contamination were remediated, resulting in approximately thirty-five (35) cubic yards of material being excavated and transported off site for proper disposal at Lea Land Disposal. Once the wells on site have been plugged and abandoned, the entire well pad will be reclaimed per NMAC 19.15.29.13.

5.0 Conclusions

Based on the analytical data from the site assessment, no further actions are required at the site. Coterra formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,
Carmona Resources, LLC

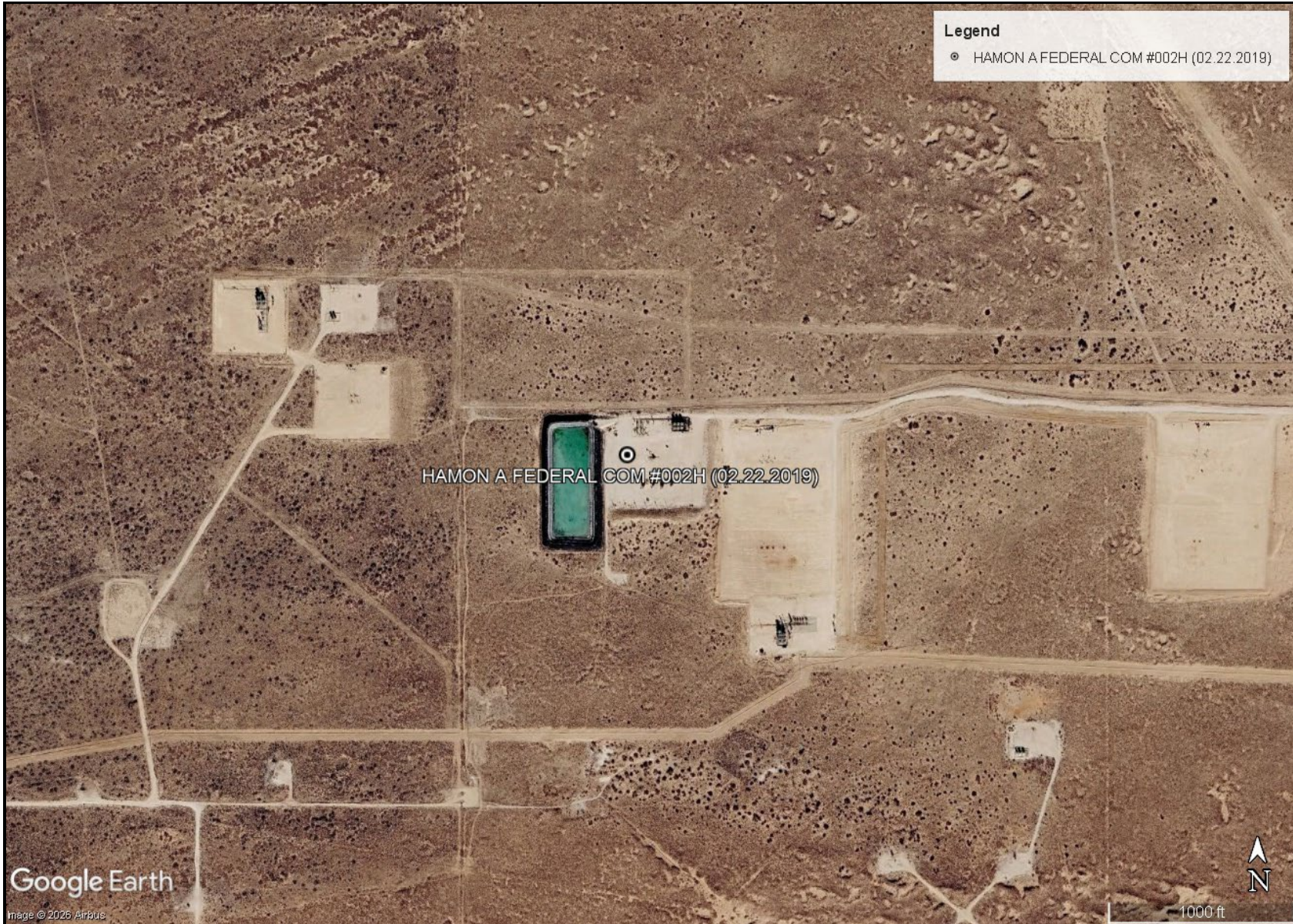
Ashton Thielke
Environmental Manager

Gilbert Priego
Project Manager

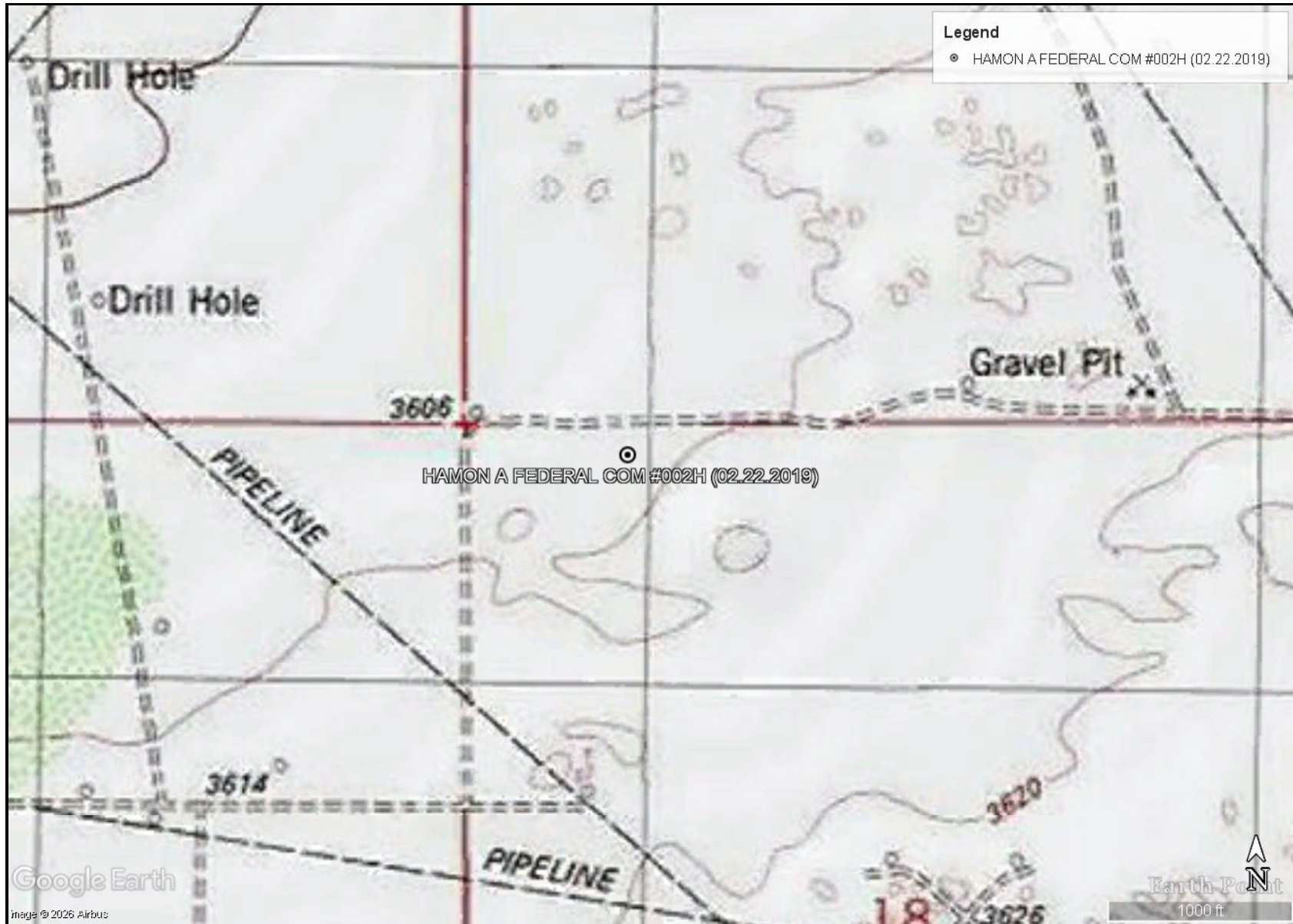
FIGURES

CARMONA RESOURCES





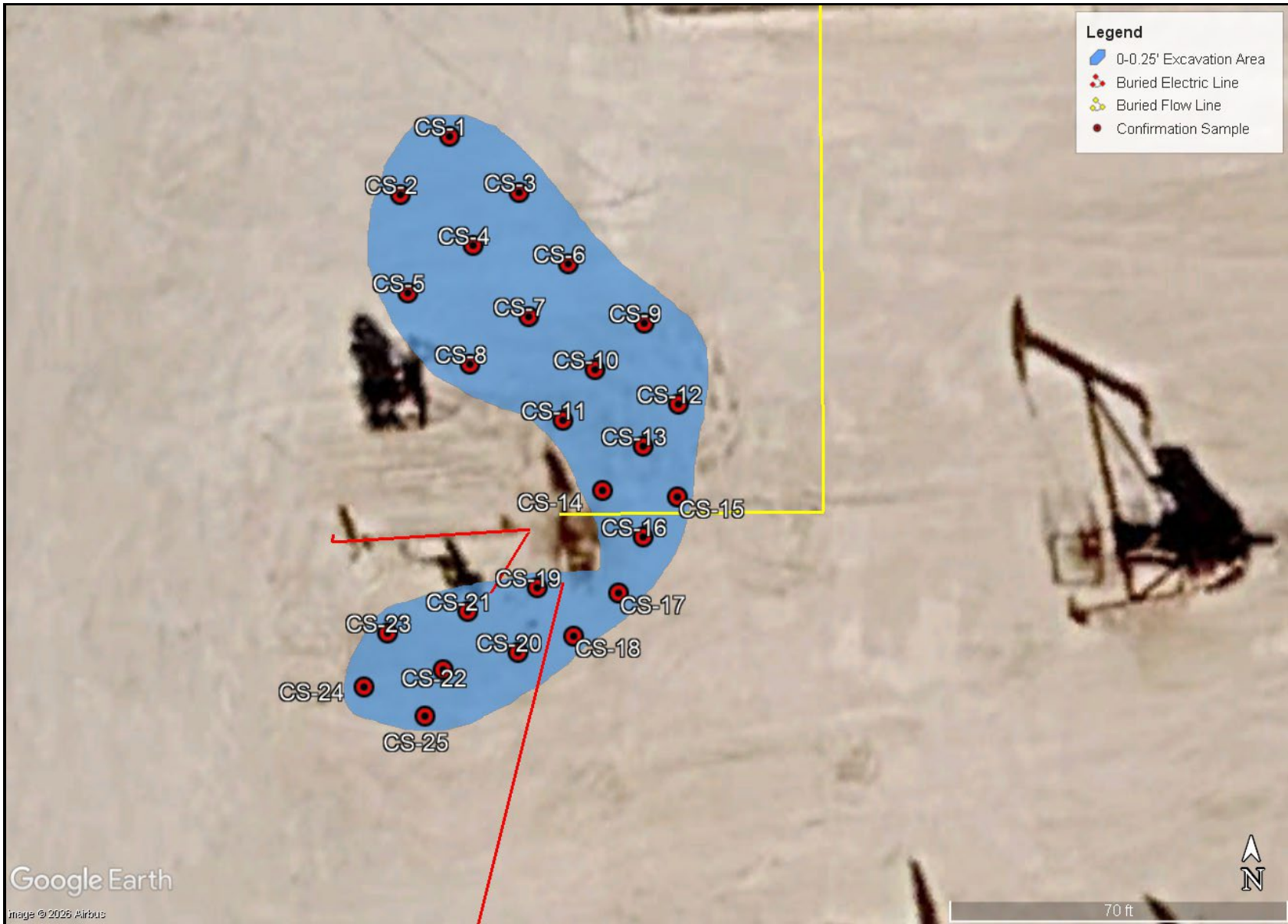
<p>OVERVIEW MAP COTERRA ENERGY OPERATING CO. HAMON A FEDERAL COM #002H (02.22.2019) LEA COUNTY, NEW MEXICO 32.57989°, -103.60529°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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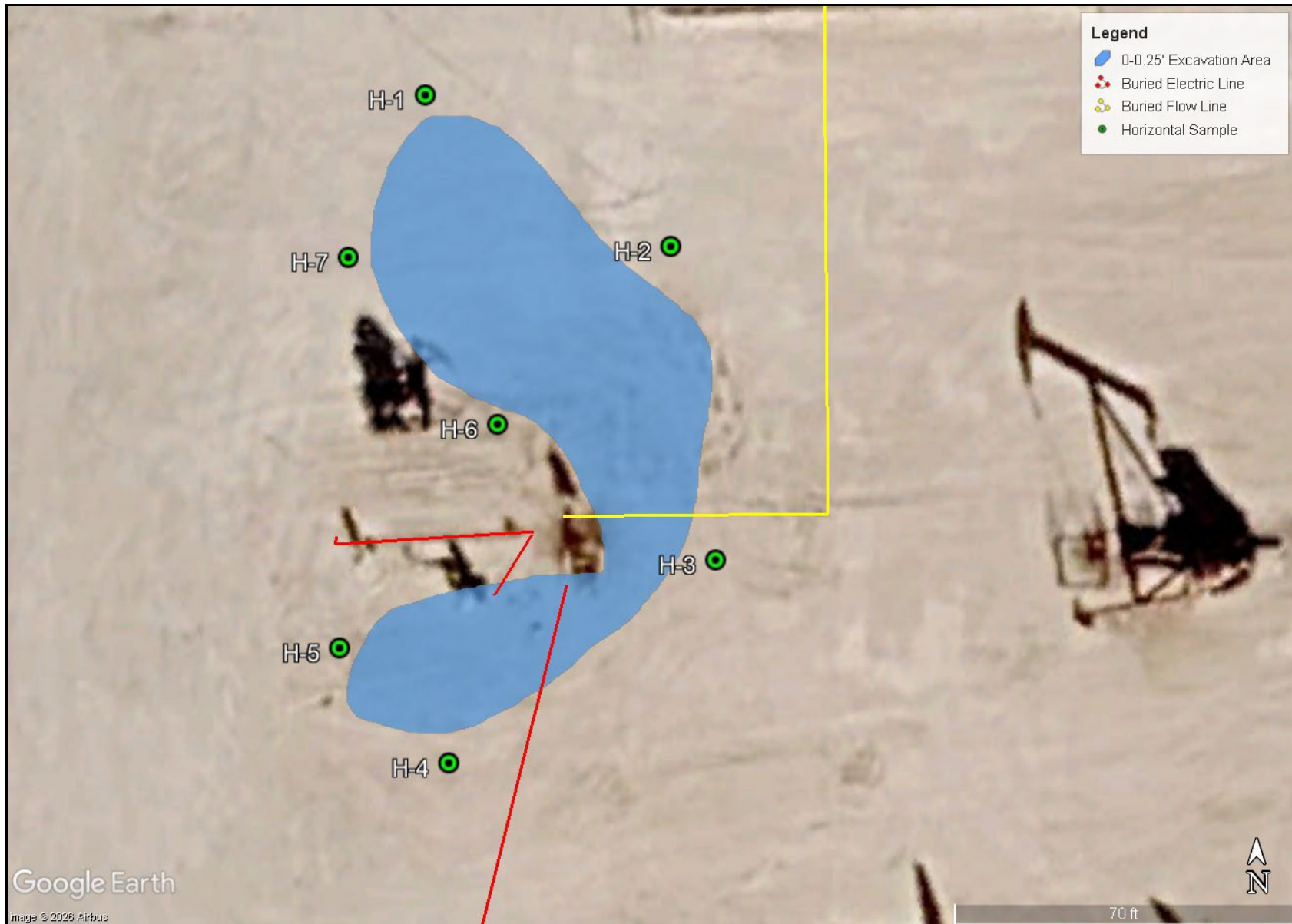
TOPOGRAPHIC MAP
 COTERRA ENERGY OPERATING CO.
 HAMON A FEDERAL COM #002H (02.22.2019)
 LEA COUNTY, NEW MEXICO
 32.57989°, -103.60529°




FIGURE 2



<p>EXCAVATION DEPTH MAP COTERRA ENERGY OPERATING CO. HAMON A FEDERAL COM #002H (02.22.2019) LEA COUNTY, NEW MEXICO 32.57989°, -103.60529°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3A</p>
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<p>EXCAVATION DEPTH MAP COTERRA ENERGY OPERATING CO. HAMON A FEDERAL COM #002H (02.22.2019) LEA COUNTY, NEW MEXICO 32.57989°, -103.60529°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 3B</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
Coterra Energy Operating Co.
Hamon A Federal Com #002H (02.22.2019)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,430
CS-2	1/13/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,140
CS-3	1/13/2026	0-0.25'	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,640
CS-4	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,420
CS-5	1/13/2026	0-0.25'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,070
CS-6	1/13/2026	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,770
CS-7	1/13/2026	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	5,920
CS-8	1/13/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,150
CS-9	1/13/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,830
CS-10	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,620
CS-11	1/13/2026	0-0.25'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,110
CS-12	1/13/2026	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7,360
CS-13	1/13/2026	0-0.25'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,910
CS-14	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,410
CS-15	1/13/2026	0-0.25'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,710
CS-16	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	7,590
CS-17	1/13/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	9,040
CS-18	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,660
CS-19	1/13/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7,420
CS-20	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,240
CS-21	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,050
CS-22	1/13/2026	0-0.25'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	6,090
CS-23	1/13/2026	0-0.25'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10,000
CS-24	1/13/2026	0-0.25'	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	8,270
CS-25	1/13/2026	0-0.25'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,770
Regulatory Criteria^A			1,000 mg/kg				2,500 mg/kg		10 mg/kg		50 mg/kg	20,000 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) - Confirmation Sample

**Table 1
Coterra Energy Operating Co.
Hamon A Federal Com #002H (02.22.2019)
Lea County, New Mexico**

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	1/13/2026	0-0.5'	<49.9	<49.9	58.3	58.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	88.2
H-2	1/13/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.7
H-3	1/13/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	82.4
H-4	1/13/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	81.8
H-5	1/13/2026	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	115
H-6	1/13/2026	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	72.5
H-7	1/13/2026	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	77.0
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (H) - Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Coterra Energy Operating Co.

Photograph No. 1

Facility: Hamon A Federal Com #002H
(02.22.2019)

County: Lea County, New Mexico

Description:
View Southeast, Area of CS-1 through CS-9.

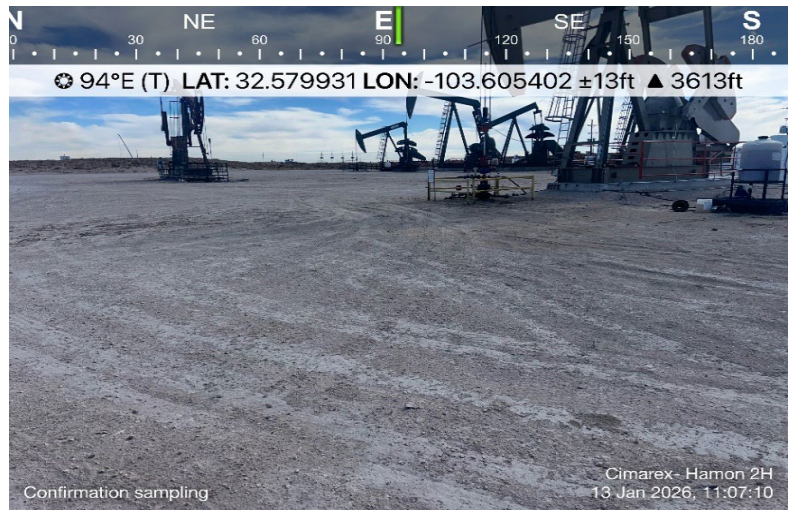


Photograph No. 2

Facility: Hamon A Federal Com #002H
(02.22.2019)

County: Lea County, New Mexico

Description:
View East, Area of CS-10 through CS-15.



Photograph No. 3

Facility: Hamon A Federal Com #002H
(02.22.2019)

County: Lea County, New Mexico

Description:
View West, Area of CS-16 through CS-25



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAB1907830479
District RP	1RP-5394
Facility ID	
Application ID	pAB1907830020

Release Notification

Responsible Party

Responsible Party Legacy Reserves, L.P.	OGRID 240974
Contact Name Brian Cunningham	Contact Telephone 432-234-9450
Contact email bcunningham@legacylp.com	Incident # (assigned by OCD) NAB1907830479
Contact mailing address 303 West Wall Street, Suite 1300	

Location of Release Source

Latitude 32.57989° N Longitude -103.60529° W
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hamon Federal Com A #2H	Site Type Well Head
Date Release Discovered 2/22/19	API# (if applicable) 30-025-41630

Unit Letter	Section	Township	Range	County
D	18	20S	34E	Lea

According to location provided, Surface Owner appears as a "Federal" well. *AB*
Surface Owner: State Federal Tribal Private (Name: Kenneth Smith)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 45 bbls total	Volume Recovered (bbls) 40 bbls total
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 45 bbls total	Volume Recovered (bbls) 40 bbls total
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

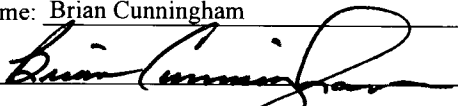

Cause of Release
The Release occurred due to a wellhead packing blowout.

Incident ID	NAB1907830479
District RP	1RP-5394
Facility ID	
Application ID	pAB1907830020

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Larson & Associates, Inc. personnel called Vanessa Fields on 2/22/19 at 11:11 CST and left a voice mail.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Brian Cunningham</u> Title: <u>Production Foreman</u> Signature:  Date: <u>3/1/2019</u> email: <u>bcunningham@legacylp.com</u> Telephone: <u>432-234-9450</u>
OCD Only Received by:  Date: <u>3/19/2019</u>

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Legacy Reserves, L.P.	OGRID 240974
Contact Name Brian Cunningham	Contact Telephone 432-234-9450
Contact email bcunningham@legacylp.com	Incident # (assigned by OCD) 1RP-5394
Contact mailing address 303 West Wall Street, Suite 1300	

Location of Release Source

Latitude 32.57989° N Longitude -103.60529° W
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hamon Federal Com A #2H	Site Type Well Head
Date Release Discovered 2/22/2018	API# (if applicable) 30-025-41630

Unit Letter	Section	Township	Range	County
D	18	20S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: Kenneth Smith, Inc.)

Nature and Volume of Release

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

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	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
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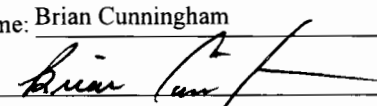
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls of liquid.
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If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Brian Cunningham</u> Title: <u>Production Foreman</u> Signature:  Date: <u>10/18/2019</u> email: <u>bcunningham@legacylp.com</u> Telephone: <u>432-234-9450</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ 110 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Brian Cunningham Title: Production Foreman

Signature:  Date: 10/18/2019

email: bcunningham@legacylp.com Telephone: 432-234-9450

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

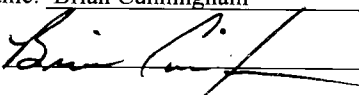
Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Brian Cunningham Title: Production Foreman
 Signature:  Date: 10/18/2019
 email: bcunningham@legacylp.com Telephone: 432-234-9450

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

1RP-5394
DELINEATION REPORT AND DEFERRAL REPORT
Hamon Federal Com A #2H
Crude Oil and Produced Water Spill
Lea County, New Mexico

Latitude: N 32.57989°
Longitude: W 103.60529°

LAI Project No. 19-0122-01

October 18, 2019

Prepared for:
Legacy Reserves Operating, LP
303 West Wall Street, Suite 1300
Midland, Texas 79701

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 205
Midland, Texas 79701



Mark J. Larson, P.G.
Certified Professional Geologist #10490



Rachel E. Owen
Sr. Geoscientist

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Figure 2 Aerial Map Showing Soil Sample Locations

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Appendix C Photographs

1RP-5394
Delineation and Deferral Report
Hamon Federal Com A #2H
October 18, 2019

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI) has prepared this delineation report and remediation plan on behalf of Legacy Reserves Operating, LP (Legacy) for submittal to the New Mexico Oil Conservation (OCD) District I for a crude oil and produced water spill at the Hamon Federal Com A #2H (Site) located in Unit D, Section 18, Township 20 South, Range 34 East in Lea County, New Mexico. The geodetic position is North 32.57989° and West 103.60529°. Based on the Lea County Tax Assessor and the BLM Surface Management Map, the surface owner is Kenneth Smith, Inc. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The spill occurred on February 22, 2019, due to a wellhead packing blowout releasing approximately 45 barrels (bbls) of crude oil and produced water. Approximately 40 bbls of liquid was recovered. The spill was contained to the well pad and remained close to the pumping unit. The spill area measures approximately 1,547.23 ft². The spill is considered a major release due to the volume of released fluids greater than 25 bbls. LAI, on behalf of Legacy, called the spill into Vanessa Fields (NMOCD) the same day (2/22/19) at 11:11 CST and left a voicemail. The initial C-141 was submitted to OCD District 1 on March 1, 2019 and assigned remediation permit number 1RP-5394. Appendix A presents the initial C-141.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,616 feet above mean sea level (msl);
- The topography slopes gently towards the southwest;
- There are no surface water features within 1,000 feet of the Site;
- The soils are designated as "Wink Fine Sand, 0 to 2 percent slopes", consisting of 0 to 12 inches of fine sand underlain by 12 to 23 inches of sandy loam.
- The surface geology consists of Eolian and piedmont deposits (Holocene to middle Pleistocene);
- Average depth to groundwater occurs at approximately 110 feet below ground surface (bgs) based on New Mexico State Engineer records;
- The nearest fresh water well is located in Unit O (SW/4, SE/4), Section 7, Township 20 South, Range 34 East, approximately 0.49 miles or about 2,588 feet southeast of the Site.

1.3 Remediation Action Levels

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 20,000 mg/Kg

2.0 DELINEATION

On March 6 2019, LAI personnel used direct push technology (DPT) to collect six (6) soil samples inside of the spill area and outside of the spill in each cardinal direction (north, south, east and west) for horizontal delineation. Soil Samples were collected between 1 to 2 foot intervals to approximately 3 feet

1RP-5394
Delineation and Deferral Report
Hamon Federal Com A #2H
October 18, 2019

bgs depending on subsurface conditions. The soil samples were delivered under chain of custody and preservation to Permian Basin Environmental Laboratory (PBEL) in Midland, Texas, and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35) by EPA SW-846 Methods 8021B and 8015M, respectively. All samples were analyzed for chloride by Method 300.

Benzene, BTEX, and TPH were reported below the OCD remediation action limit of 10 milligrams/kilogram (mg/Kg), 50 mg/Kg, and 2,500 mg/Kg, respectively, in the upper samples (0 to 1 foot bgs). Chloride was reported below the OCD delineation limit of 600 mg/Kg in the deepest samples. Table 1 presents the analytical data summary. Figure 2 presents the soil sample locations. Appendix C presents the laboratory report. Appendix D presents photographs.

3.0 DEFERRAL REQUEST

Legacy has delineated benzene, BTEX, TPH and chloride to the OCD remediation limits of 10 mg/Kg, 50 mg/Kg, 2,500 mg/Kg and 20,000 mg/Kg, respectively. Due to depth to groundwater greater than 100 feet bgs and chloride exceeding 600 mg/Kg in the shallow surface soil and in close proximity to production equipment, Legacy respectfully requests a deferral to complete surface restoration at the Hamon Federal Com A #2H until abandonment. Your approval of this request is appreciated.

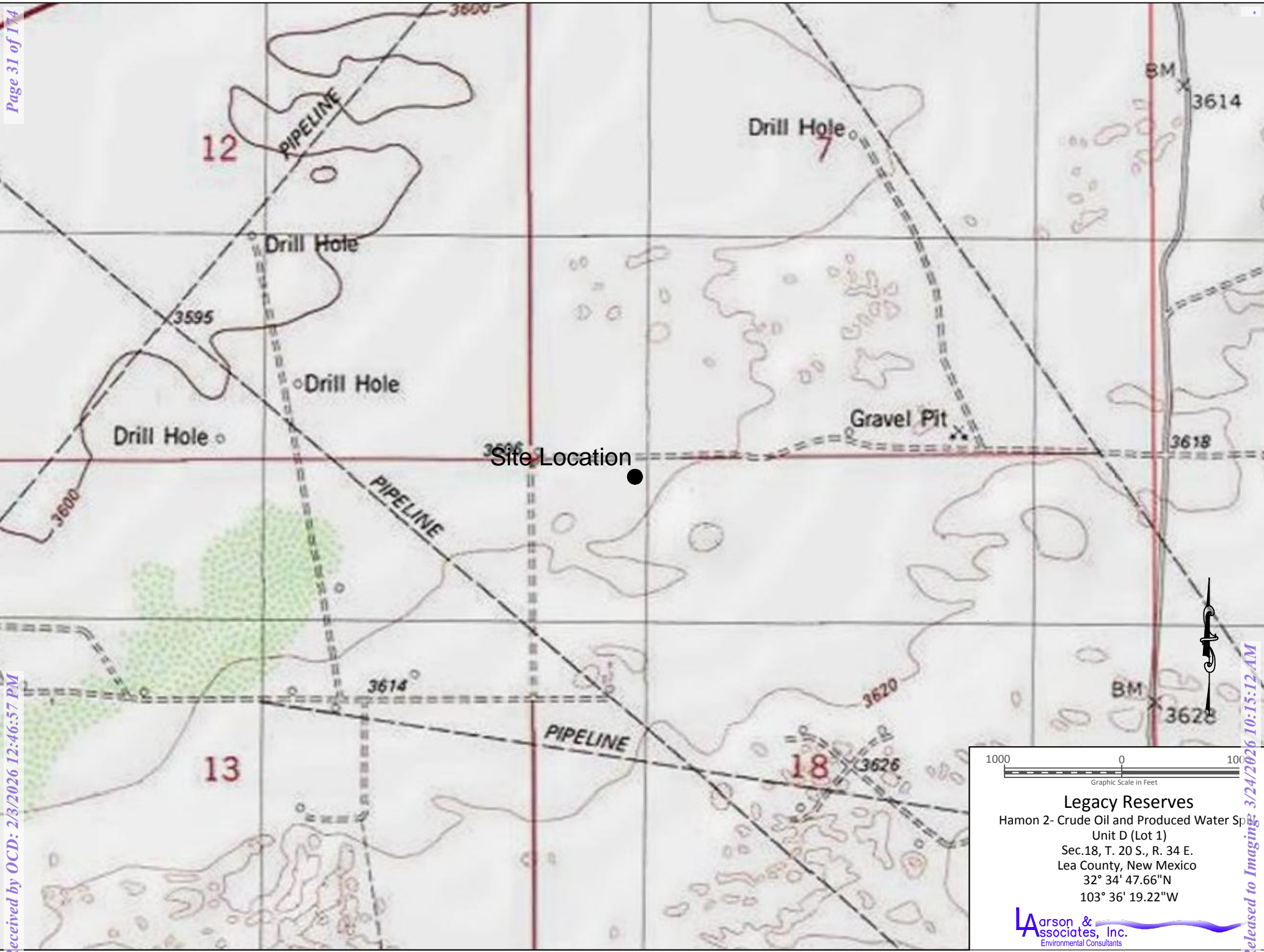
Tables

Table 1
1RP-5394
Soil Sample Analytical Data Summary
Legacy Reserves, Hamon 2
Lea County, New Mexico
19-0122-01

Sample	Depth (Feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	C6 - C35 (mg/Kg)	Chloride (mg/Kg)
RRAL				10	50				2,500	20,000
DP-1	0 - 1	5/6/2019	In-situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	1,330
	1 - 3	5/6/2019	In-situ	--	--	--	--	--	--	459.0
DP-2	0 - 1	5/6/2019	In-situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	27.0
DP-3	0 - 1	5/6/2019	In-situ	<0.00105	<0.00631	<26.3	49.2	<26.3	49.2	2,170
	1 - 3	5/6/2019	In-situ	--	--	--	--	--	--	63.0
DP-4	0 - 1	5/6/2019	In-situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	166
DP-6	0 - 1	5/6/2019	In-situ	<0.00112	<0.00673	<28.1	<28.1	<28.1	<28.1	20
DP-8	0 - 1	5/6/2019	In-situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	704
	1 - 3	5/6/2019	In-situ	--	--	--	--	--	--	130

Notes: Laboratory analysis performed by Permian Basin Environmental Lab, Midland, Texas by EPA 8021B (BTEX) Method 8015M (TPH) and 300 (chloride)
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

Figures



1000 0 1000
Graphic Scale in Feet

Legacy Reserves
 Hamon 2- Crude Oil and Produced Water Sp
 Unit D (Lot 1)
 Sec.18, T. 20 S., R. 34 E.
 Lea County, New Mexico
 32° 34' 47.66"N
 103° 36' 19.22"W

Larson &
 Associates, Inc.
 Environmental Consultants

Figure 1 - Topographic Map



Legend

- - Spill Area
- - Soil Sample Location

50 0 50
Graphic Scale in Feet

Legacy Reserves
 Hamon 2- Crude Oil and Produced Water Spill
 Unit D (Lot 1)
 Sec.18, T. 20 S., R. 34 E.
 Lea County, New Mexico
 32° 34' 47.66"N
 103° 36' 19.22"W

Larson &
 Associates, Inc.
 Environmental Consultants

Figure 2 - Aerial Map Showing Soil Sample Location

Appendix A

Initial C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAB1907830479
District RP	1RP-5394
Facility ID	
Application ID	pAB1907830020

Release Notification

Responsible Party

Responsible Party Legacy Reserves, L.P.	OGRID 240974
Contact Name Brian Cunningham	Contact Telephone 432-234-9450
Contact email bcunningham@legacylp.com	Incident # (assigned by OCD) NAB1907830479
Contact mailing address 303 West Wall Street, Suite 1300	

Location of Release Source

Latitude 32.57989° N Longitude -103.60529° W
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hamon Federal Com A #2H	Site Type Well Head
Date Release Discovered 2/22/19	API# (if applicable) 30-025-41630

Unit Letter	Section	Township	Range	County
D	18	20S	34E	Lea

According to location provided, Surface Owner appears as a "Federal" well. *AB*
Surface Owner: State Federal Tribal Private (Name: Kenneth Smith)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 45 bbls total	Volume Recovered (bbls) 40 bbls total
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 45 bbls total	Volume Recovered (bbls) 40 bbls total
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

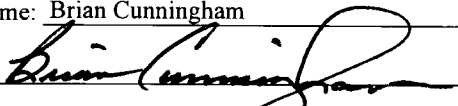

Cause of Release
The Release occurred due to a wellhead packing blowout.

Incident ID	NAB1907830479
District RP	1RP-5394
Facility ID	
Application ID	pAB1907830020

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Larson & Associates, Inc. personnel called Vanessa Fields on 2/22/19 at 11:11 CST and left a voice mail.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Brian Cunningham</u> Title: <u>Production Foreman</u> Signature:  Date: <u>3/1/2019</u> email: <u>bcunningham@legacylp.com</u> Telephone: <u>432-234-9450</u>
OCD Only Received by:  Date: <u>3/19/2019</u>

Appendix B
Laboratory Report

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01

Location:

Lab Order Number: 9E09004



NELAP/TCEQ # T104704516-18-9

Report Date: 05/30/19

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-1 (0'-1')	9E09004-01	Soil	05/06/19 14:03	05-09-2019 08:39
DP-1 (1'-3')	9E09004-02	Soil	05/06/19 14:05	05-09-2019 08:39
DP-2 (0'-1')	9E09004-07	Soil	05/06/19 15:36	05-09-2019 08:39
DP-3 (0'-1')	9E09004-13	Soil	05/06/19 16:26	05-09-2019 08:39
DP-3 (1'-3')	9E09004-14	Soil	05/06/19 16:27	05-09-2019 08:39
DP-4 (0'-1')	9E09004-19	Soil	05/08/19 12:33	05-09-2019 08:39
DP-6 (0'-1')	9E09004-25	Soil	05/08/19 13:57	05-09-2019 08:39
DP-8 (0'-1')	9E09004-31	Soil	05/08/19 15:05	05-09-2019 08:39
DP-8 (1'-3')	9E09004-32	Soil	05/08/19 15:07	05-09-2019 08:39

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-1 (0'-1')
9E09004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P9E0906	05/09/19	05/10/19	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P9E0906	05/09/19	05/10/19	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P9E0906	05/09/19	05/10/19	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P9E0906	05/09/19	05/10/19	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P9E0906	05/09/19	05/10/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	75-125		P9E0906	05/09/19	05/10/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.4 %	75-125		P9E0906	05/09/19	05/10/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1330	5.21	mg/kg dry	5	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	4.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P9E0907	05/09/19	05/09/19	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P9E0907	05/09/19	05/09/19	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P9E0907	05/09/19	05/09/19	TPH 8015M	
Surrogate: 1-Chlorooctane		118 %	70-130		P9E0907	05/09/19	05/09/19	TPH 8015M	
Surrogate: o-Terphenyl		130 %	70-130		P9E0907	05/09/19	05/09/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/09/19	05/09/19	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc. P.O. Box 50685 Midland TX, 79710	Project: Legacy Hamon 2 Project Number: 19-0122-01 Project Manager: Mark Larson	Fax: (432) 687-0456
--	---	---------------------

**DP-1 (1'-3')
9E09004-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	459	1.05	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	5.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-2 (0'-1')
9E09004-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.2 %	75-125		P9E1004	05/10/19	05/11/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		119 %	75-125		P9E1004	05/10/19	05/11/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	27.0	1.02	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	2.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P9E0907	05/09/19	05/10/19	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P9E0907	05/09/19	05/10/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	05/09/19	05/10/19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-3 (0'-1')
9E09004-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.7 %	75-125		P9E1004	05/10/19	05/11/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		113 %	75-125		P9E1004	05/10/19	05/11/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2170	10.5	mg/kg dry	10	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	5.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
>C12-C28	49.2	26.3	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P9E0907	05/09/19	05/10/19	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P9E0907	05/09/19	05/10/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	49.2	26.3	mg/kg dry	1	[CALC]	05/09/19	05/10/19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc. P.O. Box 50685 Midland TX, 79710	Project: Legacy Hamon 2 Project Number: 19-0122-01 Project Manager: Mark Larson	Fax: (432) 687-0456
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DP-3 (1'-3')
9E09004-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	63.0	1.03	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	3.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-4 (0'-1')
9E09004-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P9E1004	05/10/19	05/11/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.4 %	75-125		P9E1004	05/10/19	05/11/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.7 %	75-125		P9E1004	05/10/19	05/11/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	166	1.09	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	8.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P9E0907	05/09/19	05/10/19	TPH 8015M	
Surrogate: 1-Chlorooctane		123 %	70-130		P9E0907	05/09/19	05/10/19	TPH 8015M	
Surrogate: o-Terphenyl		139 %	70-130		P9E0907	05/09/19	05/10/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/09/19	05/10/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
 P.O. Box 50685
 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

DP-6 (0'-1')
9E09004-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00112	mg/kg dry	1	P9E1011	05/10/19	05/15/19	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P9E1011	05/10/19	05/15/19	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P9E1011	05/10/19	05/15/19	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P9E1011	05/10/19	05/15/19	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P9E1011	05/10/19	05/15/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.9 %	75-125		P9E1011	05/10/19	05/15/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		86.3 %	75-125		P9E1011	05/10/19	05/15/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	20.4	1.12	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	11.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P9E0909	05/09/19	05/10/19	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P9E0909	05/09/19	05/10/19	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P9E0909	05/09/19	05/10/19	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P9E0909	05/09/19	05/10/19	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P9E0909	05/09/19	05/10/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	05/09/19	05/10/19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP-8 (0'-1')
9E09004-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P9E1011	05/10/19	05/18/19	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P9E1011	05/10/19	05/18/19	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P9E1011	05/10/19	05/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P9E1011	05/10/19	05/18/19	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P9E1011	05/10/19	05/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110 %	75-125		P9E1011	05/10/19	05/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	75-125		P9E1011	05/10/19	05/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	704	1.04	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	4.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P9E0909	05/09/19	05/10/19	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P9E0909	05/09/19	05/10/19	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P9E0909	05/09/19	05/10/19	TPH 8015M	
Surrogate: 1-Chlorooctane		98.9 %	70-130		P9E0909	05/09/19	05/10/19	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P9E0909	05/09/19	05/10/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/09/19	05/10/19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
 P.O. Box 50685
 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

DP-8 (1'-3')
9E09004-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	130	1.02	mg/kg dry	1	P9E1307	05/13/19	05/14/19	EPA 300.0	
% Moisture	2.0	0.1	%	1	P9E1002	05/10/19	05/10/19	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0906 - General Preparation (GC)**Blank (P9E0906-BLK1)**

Prepared & Analyzed: 05/09/19

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0483		"	0.0600		80.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.0523		"	0.0600		87.2	75-125			

LCS (P9E0906-BS1)

Prepared & Analyzed: 05/09/19

Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130			
Toluene	0.120	0.00100	"	0.100		120	70-130			
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130			
Xylene (p/m)	0.203	0.00200	"	0.200		102	70-130			
Xylene (o)	0.118	0.00100	"	0.100		118	70-130			
Surrogate: 1,4-Difluorobenzene	0.0732		"	0.0600		122	75-125			
Surrogate: 4-Bromofluorobenzene	0.0613		"	0.0600		102	75-125			

LCS Dup (P9E0906-BSD1)

Prepared & Analyzed: 05/09/19

Benzene	0.114	0.00100	mg/kg wet	0.100		114	70-130	2.98	20	
Toluene	0.113	0.00100	"	0.100		113	70-130	6.14	20	
Ethylbenzene	0.110	0.00100	"	0.100		110	70-130	6.05	20	
Xylene (p/m)	0.187	0.00200	"	0.200		93.5	70-130	8.35	20	
Xylene (o)	0.112	0.00100	"	0.100		112	70-130	5.20	20	
Surrogate: 1,4-Difluorobenzene	0.0681		"	0.0600		113	75-125			
Surrogate: 4-Bromofluorobenzene	0.0595		"	0.0600		99.2	75-125			

Calibration Blank (P9E0906-CCB1)

Prepared & Analyzed: 05/09/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0572		"	0.0600		95.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.0484		"	0.0600		80.6	75-125			

Permian Basin Environmental Lab, L.P.

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Page 12 of 29

Larson & Associates, Inc.
 P.O. Box 50685
 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0906 - General Preparation (GC)

Calibration Blank (P9E0906-CCB2)

Prepared: 05/09/19 Analyzed: 05/10/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0649		"	0.0600		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.0481		"	0.0600		80.1	75-125			

Calibration Blank (P9E0906-CCB3)

Prepared: 05/09/19 Analyzed: 05/10/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0470		"	0.0600		78.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.0533		"	0.0600		88.9	75-125			

Calibration Check (P9E0906-CCV1)

Prepared & Analyzed: 05/09/19

Benzene	0.117	0.00100	mg/kg wet	0.100		117	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.5	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.0642		"	0.0600		107	75-125			
Surrogate: 4-Bromofluorobenzene	0.0611		"	0.0600		102	75-125			

Calibration Check (P9E0906-CCV2)

Prepared: 05/09/19 Analyzed: 05/10/19

Benzene	0.116	0.00100	mg/kg wet	0.100		116	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		92.8	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.0626		"	0.0600		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.0618		"	0.0600		103	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0906 - General Preparation (GC)**Calibration Check (P9E0906-CCV3)**

Prepared: 05/09/19 Analyzed: 05/10/19

Benzene	0.118	0.00100	mg/kg wet	0.100		118	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.7	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.0653		"	0.0600		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.0790		"	0.0600		132	75-125			S-GC

Matrix Spike (P9E0906-MS1)

Source: 9E09003-18

Prepared: 05/09/19 Analyzed: 05/10/19

Benzene	0.0866	0.00103	mg/kg dry	0.103	ND	84.0	80-120			
Toluene	0.0905	0.00103	"	0.103	ND	87.8	80-120			
Ethylbenzene	0.102	0.00103	"	0.103	ND	98.6	80-120			
Xylene (p/m)	0.150	0.00206	"	0.206	ND	72.9	80-120			QM-07
Xylene (o)	0.0807	0.00103	"	0.103	ND	78.3	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.0718		"	0.0619		116	75-125			
Surrogate: 4-Bromofluorobenzene	0.0714		"	0.0619		115	75-125			

Matrix Spike Dup (P9E0906-MSD1)

Source: 9E09003-18

Prepared: 05/09/19 Analyzed: 05/10/19

Benzene	0.0807	0.00103	mg/kg dry	0.103	ND	78.3	80-120	7.05	20	QM-07
Toluene	0.0811	0.00103	"	0.103	ND	78.6	80-120	11.0	20	QM-07
Ethylbenzene	0.0882	0.00103	"	0.103	ND	85.5	80-120	14.3	20	
Xylene (p/m)	0.127	0.00206	"	0.206	ND	61.7	80-120	16.6	20	QM-07
Xylene (o)	0.0647	0.00103	"	0.103	ND	62.8	80-120	22.0	20	QM-07, S-GC
Surrogate: 4-Bromofluorobenzene	0.0705		"	0.0619		114	75-125			
Surrogate: 1,4-Difluorobenzene	0.0820		"	0.0619		133	75-125			S-GC

Batch P9E1004 - General Preparation (GC)**Blank (P9E1004-BLK1)**

Prepared & Analyzed: 05/10/19

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0491		"	0.0600		81.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.0621		"	0.0600		103	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
 P.O. Box 50685
 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E1004 - General Preparation (GC)

LCS (P9E1004-BS1)

Prepared & Analyzed: 05/10/19

Benzene	0.116	0.00100	mg/kg wet	0.100		116	70-130			
Toluene	0.115	0.00100	"	0.100		115	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.185	0.00200	"	0.200		92.3	70-130			
Xylene (o)	0.116	0.00100	"	0.100		116	70-130			
Surrogate: 4-Bromofluorobenzene	0.0597		"	0.0600		99.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.0637		"	0.0600		106	75-125			

LCS Dup (P9E1004-BS1)

Prepared & Analyzed: 05/10/19

Benzene	0.111	0.00100	mg/kg wet	0.100		111	70-130	3.84	20	
Toluene	0.110	0.00100	"	0.100		110	70-130	4.67	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130	3.56	20	
Xylene (p/m)	0.178	0.00200	"	0.200		88.8	70-130	3.89	20	
Xylene (o)	0.111	0.00100	"	0.100		111	70-130	4.49	20	
Surrogate: 1,4-Difluorobenzene	0.0660		"	0.0600		110	75-125			
Surrogate: 4-Bromofluorobenzene	0.0641		"	0.0600		107	75-125			

Calibration Blank (P9E1004-CCB2)

Prepared: 05/10/19 Analyzed: 05/11/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.0496		"	0.0600		82.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.0577		"	0.0600		96.1	75-125			

Calibration Check (P9E1004-CCV2)

Prepared: 05/10/19 Analyzed: 05/11/19

Benzene	0.115	0.00100	mg/kg wet	0.100		115	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.0593		"	0.0600		98.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.0646		"	0.0600		108	75-125			

Permian Basin Environmental Lab, L.P.

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Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E1004 - General Preparation (GC)

Calibration Check (P9E1004-CCV3)

Prepared: 05/10/19 Analyzed: 05/11/19

Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		97.1	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.0537		"	0.0600		89.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.0567		"	0.0600		94.5	75-125			

Batch P9E1011 - General Preparation (GC)

Blank (P9E1011-BLK1)

Prepared: 05/10/19 Analyzed: 05/15/19

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0525		"	0.0600		87.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.0602		"	0.0600		100	75-125			

LCS (P9E1011-BS1)

Prepared: 05/10/19 Analyzed: 05/15/19

Benzene	0.113	0.00100	mg/kg wet	0.100		113	70-130			
Toluene	0.114	0.00100	"	0.100		114	70-130			
Ethylbenzene	0.118	0.00100	"	0.100		118	70-130			
Xylene (p/m)	0.193	0.00200	"	0.200		96.4	70-130			
Xylene (o)	0.109	0.00100	"	0.100		109	70-130			
Surrogate: 1,4-Difluorobenzene	0.0599		"	0.0600		99.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.0567		"	0.0600		94.5	75-125			

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Larson & Associates, Inc.
 P.O. Box 50685
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Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E1011 - General Preparation (GC)

LCS Dup (P9E1011-BSD1)				Prepared: 05/10/19		Analyzed: 05/15/19				
Benzene	0.117	0.00100	mg/kg wet	0.100		117	70-130	2.90	20	
Toluene	0.118	0.00100	"	0.100		118	70-130	3.14	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	70-130	0.492	20	
Xylene (p/m)	0.197	0.00200	"	0.200		98.3	70-130	1.92	20	
Xylene (o)	0.112	0.00100	"	0.100		112	70-130	2.37	20	
Surrogate: 1,4-Difluorobenzene	0.0632		"	0.0600		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.0579		"	0.0600		96.5	75-125			

Calibration Blank (P9E1011-CCB2)				Prepared: 05/10/19		Analyzed: 05/18/19				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.0525		"	0.0600		87.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.0439		"	0.0600		73.2	75-125			S-GC

Calibration Blank (P9E1011-CCB3)				Prepared: 05/10/19		Analyzed: 05/18/19				
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0528		"	0.0600		87.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.0591		"	0.0600		98.5	75-125			

Calibration Check (P9E1011-CCV1)				Prepared: 05/10/19		Analyzed: 05/15/19				
Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.5	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	0.0634		"	0.0600		106	75-125			
Surrogate: 1,4-Difluorobenzene	0.0770		"	0.0600		128	75-125			S-GC

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 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E1011 - General Preparation (GC)

Calibration Check (P9E1011-CCV2)

Prepared: 05/10/19 Analyzed: 05/18/19

Benzene	0.0970	0.00100	mg/kg wet	0.100		97.0	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0994	0.00100	"	0.100		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.0477		"	0.0600		79.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.0426		"	0.0600		71.0	75-125			S-GC

Calibration Check (P9E1011-CCV3)

Prepared: 05/10/19 Analyzed: 05/18/19

Benzene	0.0953	0.00100	mg/kg wet	0.100		95.3	80-120			
Toluene	0.0936	0.00100	"	0.100		93.6	80-120			
Ethylbenzene	0.0943	0.00100	"	0.100		94.3	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.2	80-120			
Xylene (o)	0.0904	0.00100	"	0.100		90.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.0709		"	0.0600		118	75-125			
Surrogate: 4-Bromofluorobenzene	0.0530		"	0.0600		88.3	75-125			

Matrix Spike (P9E1011-MS1)

Source: 9E09019-01

Prepared: 05/10/19 Analyzed: 05/18/19

Benzene	0.0691	0.00104	mg/kg dry	0.104	ND	66.3	80-120			QM-07
Toluene	0.0383	0.00104	"	0.104	ND	36.8	80-120			QM-07
Ethylbenzene	0.0375	0.00104	"	0.104	ND	36.0	80-120			QM-07
Xylene (p/m)	0.0449	0.00208	"	0.208	ND	21.5	80-120			QM-07
Xylene (o)	0.0605	0.00104	"	0.104	ND	58.1	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.0688		"	0.0625		110	75-125			
Surrogate: 4-Bromofluorobenzene	0.0529		"	0.0625		84.6	75-125			

Matrix Spike Dup (P9E1011-MSD1)

Source: 9E09019-01

Prepared: 05/10/19 Analyzed: 05/18/19

Benzene	0.0741	0.00104	mg/kg dry	0.104	ND	71.2	80-120	7.10	20	QM-07
Toluene	0.0372	0.00104	"	0.104	ND	35.7	80-120	2.98	20	QM-07
Ethylbenzene	0.0398	0.00104	"	0.104	ND	38.2	80-120	5.93	20	QM-07
Xylene (p/m)	0.0501	0.00208	"	0.208	ND	24.0	80-120	11.0	20	QM-07
Xylene (o)	0.0653	0.00104	"	0.104	ND	62.7	80-120	7.65	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.0525		"	0.0625		84.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.0737		"	0.0625		118	75-125			

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 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E1002 - * DEFAULT PREP *****

Blank (P9E1002-BLK2)				Prepared & Analyzed: 05/10/19						
% Moisture	ND	0.1	%							
Duplicate (P9E1002-DUP1)				Source: 9E09004-08 Prepared & Analyzed: 05/10/19						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P9E1002-DUP2)				Source: 9E09004-35 Prepared & Analyzed: 05/10/19						
% Moisture	14.0	0.1	%		15.0			6.90	20	
Duplicate (P9E1002-DUP3)				Source: 9E09016-01 Prepared & Analyzed: 05/10/19						
% Moisture	17.0	0.1	%		9.0			61.5	20	
Duplicate (P9E1002-DUP4)				Source: 9E09024-09 Prepared & Analyzed: 05/10/19						
% Moisture	12.0	0.1	%		13.0			8.00	20	

Batch P9E1307 - * DEFAULT PREP *****

LCS (P9E1307-BS1)				Prepared: 05/13/19 Analyzed: 05/14/19						
Chloride	408	1.00	mg/kg wet	400		102	80-120			
LCS Dup (P9E1307-BSD1)				Prepared: 05/13/19 Analyzed: 05/14/19						
Chloride	400	1.00	mg/kg wet	400		100	80-120	2.05	20	
Calibration Blank (P9E1307-CCB2)				Prepared: 05/13/19 Analyzed: 05/14/19						
Chloride	0.00		mg/kg wet							
Calibration Check (P9E1307-CCV1)				Prepared: 05/13/19 Analyzed: 05/14/19						
Chloride	20.0		mg/kg	20.0		100	0-200			

Permian Basin Environmental Lab, L.P.

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9E1307 - *** DEFAULT PREP ***										
Calibration Check (P9E1307-CCV2)				Prepared: 05/13/19 Analyzed: 05/14/19						
Chloride	20.7		mg/kg	20.0		103	0-200			
Calibration Check (P9E1307-CCV3)				Prepared: 05/13/19 Analyzed: 05/14/19						
Chloride	20.5		mg/kg	20.0		102	0-200			
Matrix Spike (P9E1307-MS1)				Source: 9E08012-10		Prepared: 05/13/19 Analyzed: 05/14/19				
Chloride	2030	5.38	mg/kg dry	538	1560	86.7	80-120			
Matrix Spike (P9E1307-MS2)				Source: 9E09004-14		Prepared: 05/13/19 Analyzed: 05/14/19				
Chloride	600	1.03	mg/kg dry	515	63.0	104	80-120			
Matrix Spike Dup (P9E1307-MSD1)				Source: 9E08012-10		Prepared: 05/13/19 Analyzed: 05/14/19				
Chloride	2070	5.38	mg/kg dry	538	1560	94.6	80-120	2.07	20	
Matrix Spike Dup (P9E1307-MSD2)				Source: 9E09004-14		Prepared: 05/13/19 Analyzed: 05/14/19				
Chloride	572	1.03	mg/kg dry	515	63.0	98.8	80-120	4.73	20	

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0907 - TX 1005

Blank (P9E0907-BLK1)

Prepared & Analyzed: 05/09/19

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	57.8		"	50.0		116	70-130			

LCS (P9E0907-BS1)

Prepared & Analyzed: 05/09/19

C6-C12	1070	25.0	mg/kg wet	1000		107	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

LCS Dup (P9E0907-BSD1)

Prepared & Analyzed: 05/09/19

C6-C12	1070	25.0	mg/kg wet	1000		107	75-125	0.301	20	
>C12-C28	1110	25.0	"	1000		111	75-125	0.203	20	
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Calibration Blank (P9E0907-CCB1)

Prepared & Analyzed: 05/09/19

C6-C12	7.12		mg/kg wet							
>C12-C28	6.27		"							
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	56.7		"	50.0		113	70-130			

Calibration Blank (P9E0907-CCB2)

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	9.72		mg/kg wet							
>C12-C28	8.79		"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0907 - TX 1005

Calibration Check (P9E0907-CCV1)

Prepared & Analyzed: 05/09/19

C6-C12	573	25.0	mg/kg wet	500		115	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			

Calibration Check (P9E0907-CCV2)

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	533	25.0	mg/kg wet	500		107	85-115			
>C12-C28	569	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	57.0		"	50.0		114	70-130			

Calibration Check (P9E0907-CCV3)

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	555	25.0	mg/kg wet	500		111	85-115			
>C12-C28	569	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	55.5		"	50.0		111	70-130			

Duplicate (P9E0907-DUP1)

Source: 9E09004-19

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	ND	27.2	mg/kg dry		ND				20	
>C12-C28	19.4	27.2	"		14.7			27.6	20	
Surrogate: 1-Chlorooctane	129		"	109		119	70-130			
Surrogate: o-Terphenyl	72.7		"	54.3		134	70-130			S-GC

Batch P9E0909 - TX 1005

Blank (P9E0909-BLK1)

Prepared & Analyzed: 05/09/19

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	97.6		"	100		97.6	70-130			
Surrogate: o-Terphenyl	51.6		"	50.0		103	70-130			

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
 P.O. Box 50685
 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P9E0909 - TX 1005

LCS (P9E0909-BS1)

Prepared & Analyzed: 05/09/19

C6-C12	1180	25.0	mg/kg wet	1000		118	75-125			
>C12-C28	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	49.0		"	50.0		98.0	70-130			

LCS Dup (P9E0909-BSD1)

Prepared & Analyzed: 05/09/19

C6-C12	1130	25.0	mg/kg wet	1000		113	75-125	4.52	20	
>C12-C28	1130	25.0	"	1000		113	75-125	0.194	20	
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	48.3		"	50.0		96.6	70-130			

Calibration Blank (P9E0909-CCB1)

Prepared & Analyzed: 05/09/19

C6-C12	7.99		mg/kg wet							
>C12-C28	9.03		"							
Surrogate: 1-Chlorooctane	94.8		"	100		94.8	70-130			
Surrogate: o-Terphenyl	49.8		"	50.0		99.6	70-130			

Calibration Blank (P9E0909-CCB2)

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	8.24		mg/kg wet							
>C12-C28	9.83		"							
Surrogate: 1-Chlorooctane	91.6		"	100		91.6	70-130			
Surrogate: o-Terphenyl	48.5		"	50.0		97.0	70-130			

Calibration Check (P9E0909-CCV1)

Prepared & Analyzed: 05/09/19

C6-C12	527	25.0	mg/kg wet	500		105	85-115			
>C12-C28	505	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	49.3		"	50.0		98.6	70-130			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
 P.O. Box 50685
 Midland TX, 79710

Project: Legacy Hamon 2
 Project Number: 19-0122-01
 Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P9E0909 - TX 1005

Calibration Check (P9E0909-CCV2)

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	555	25.0	mg/kg wet	500		111	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	47.7		"	50.0		95.4	70-130			

Calibration Check (P9E0909-CCV3)

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	541	25.0	mg/kg wet	500		108	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	49.7		"	50.0		99.4	70-130			

Duplicate (P9E0909-DUP1)

Source: 9E09010-01

Prepared: 05/09/19 Analyzed: 05/10/19

C6-C12	ND	25.3	mg/kg dry		9.64				20	
>C12-C28	102	25.3	"		91.9			9.99	20	
Surrogate: 1-Chlorooctane	91.9		"	101		91.0	70-130			
Surrogate: o-Terphenyl	46.1		"	50.5		91.2	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- ROI Received on Ice
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BULK Samples received in Bulk soil containers
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:  Date: 5/30/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Legacy Hamon 2
Project Number: 19-0122-01
Project Manager: Mark Larson

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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 5/19/19
PO#: 19-0122-01
PROJECT LOCATION OR NAME: Legacy Home 2
LAB WORK ORDER#: 9E09004
LAI PROJECT #: 19-0122-01
COLLECTOR: KO/TO

CHAIN-OF-CUSTOMER

No 0669

TRRP report?
 Yes No

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE:
Time zone/State:

MST

Field Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl
HNO₃
H₂SO₄ NaOH

ICE
UNPRESERVED

ANALYSES

- BTEX-MTBE
- TRPH 418.1 TPH 1005 TPH 1006
- GASOLINE MOD 8015
- DIESEL - MOD 8015
- OIL - MOD 8015
- VOC 8260
- SVOC 8270
- PAH 8270
- HOLDPAH
- 8081 PESTICIDES
- 8082 PESTICIDES
- 8151 HERBICIDES
- TBLP - METALS
- TCLP - METALS (RCRA)
- TOLP - PEST
- TOTAL METALS (RCRA)
- LEAD - TOTAL
- ROJ
- TOX
- TDS
- TSS
- % MOISTURE
- FLASHPOINT
- CYANIDE
- OTHER LIST
- TOLP
- D.W. 200.8
- FLASHPPOINT
- CHROMIUM
- PCHLORATE
- HEXAVALENT CHROMIUM
- PH
- EXPLOSIVES
- PCHLORATE
- CHLORIDE ANIONS
- ALKALINITY

FIELD NOTES

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ <input type="checkbox"/>	NaOH <input type="checkbox"/>	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
DP-3 (5'-6')	16	5/6/19	16:36	S	1							X	Test until Delinution
DP-3 (6'-8')	17	5/6/19	16:38	S	1							X	Limit is Reached
DP-3 (8'-10')	18	5/6/19	16:39	S	1							X	
DP-4 (6'-1')	19	5/8/19	12:33	S	1							X	
DP-4 (1'-3')	20		12:35	S	1							X	
DP-4 (3'-5')	21		12:37	S	1							X	
DP-4 (5'-6')	22		12:39	S	1							X	
DP-4 (6'-8')	23		12:41	S	1							X	
DP-4 (8'-16')	24		12:43	S	1							X	
DP-6 (0'-1')	25	5/8/19	13:52	S	1							X	
DP-6 (1'-3')	26		13:59	S	1							X	
DP-6 (3'-5')	27		14:01	S	1							X	
DP-6 (5'-6')	28		14:03	S	1							X	
DP-6 (6'-8')	29		14:05	S	1							X	
DP-6 (8'-10')	30		14:07	S	1							X	
TOTAL													

RELINQUISHED BY: (Signature)
[Signature]

DATE/TIME
5/19/19 - 8:39

RECEIVED BY: (Signature)
[Signature]

TURN AROUND TIME
NORMAL
1 DAY
2 DAY
OTHER

LABORATORY USE ONLY:
RECEIVING TEMP: -1.5
THERM#: 19
CUSTODY SEALS - BROKEN INTACT NOT USED
 CARRIER BILL #
 HAND DELIVERED

LABORATORY: PEEL

RELINQUISHED BY: (Signature)
[Signature]

RECEIVED BY: (Signature)
[Signature]

DATE/TIME
5/19/19 - 8:39

LABORATORY USE ONLY:
RECEIVING TEMP: -1.5
THERM#: 19
CUSTODY SEALS - BROKEN INTACT NOT USED
 CARRIER BILL #
 HAND DELIVERED

Varson & Associates, Inc.
Environmental Consultants

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 5/9/19 PAGE 3 OF 3
PO#: _____ LAB WORK ORDER#: 9E09004
PROJECT LOCATION OR NAME: Legacy Harmon 2
LAI PROJECT #: 19-0192-01 COLLECTOR: LCO

CHAIN-OF-CUSTOMER

No 0670

TRRP report? Yes No
TIME ZONE: _____
Time zone/State: _____
MST

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				UNPRESERVED	ANALYSES		FIELD NOTES
						HCl	HNO ₃	H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/>	ICE		BTEX-MTBE <input type="checkbox"/>	TRPH 418-1 <input type="checkbox"/> TPH 1005 <input type="checkbox"/> TPH 1006 <input type="checkbox"/>	
DP-8 (6'-1')	31	5/8/19	15:05	S	1				X				Test until dell emission limit is reached
DP-8 (1'-3')	32		15:07						X				
DP-8 (3'-5')	33		15:09						X				
DP-8 (5'-6')	34		15:11						X				
DP-8 (6'-8')	35		15:13						X				
DP-8 (8'-10')	36		15:15						X				
TOTAL													

RELINQUISHED BY: (Signature) [Signature] DATE/TIME 5/9/19 - 8:39 RECEIVED BY: (Signature) _____

RELINQUISHED BY: (Signature) [Signature] DATE/TIME 5/9/19 - 8:39 RECEIVED BY: (Signature) [Signature]

RELINQUISHED BY: (Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____

LABORATORY: PBEL

TURN AROUND TIME: NORMAL 1 DAY 2 DAY OTHER

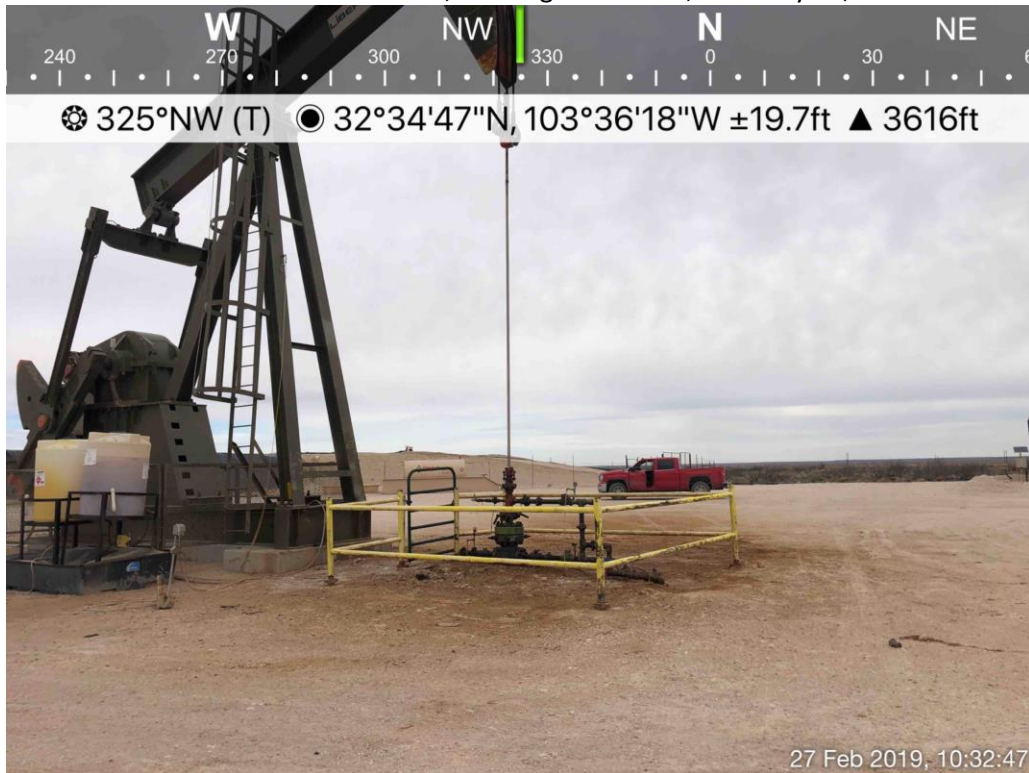
LABORATORY USE ONLY: RECEIVING TEMP: 16.5 THERM#: 0711
CUSTODY SEALS - BROKEN INTACT NOT USED
 CARRIER BILL # _____
 HAND DELIVERED

Appendix C
Photographs

Hamon 2
LEA COUNTY, NEW MEXICO
OCTOBER 18, 2019

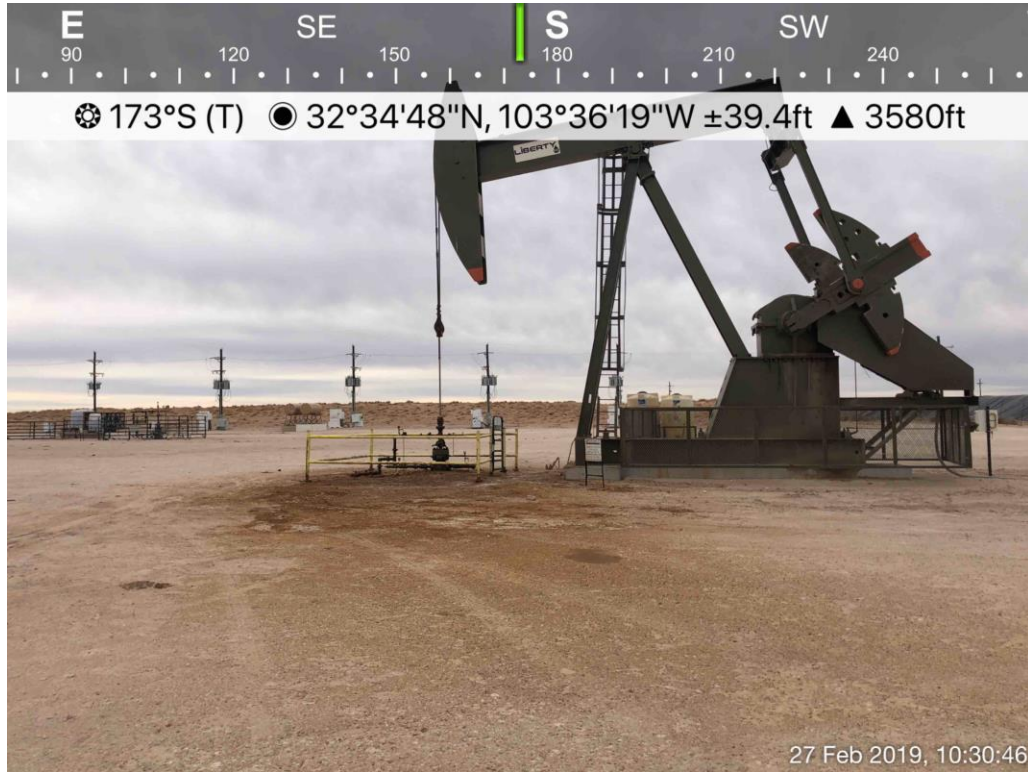


Hamon Federal Com A #2H, Viewing Southwest, February 27, 2019

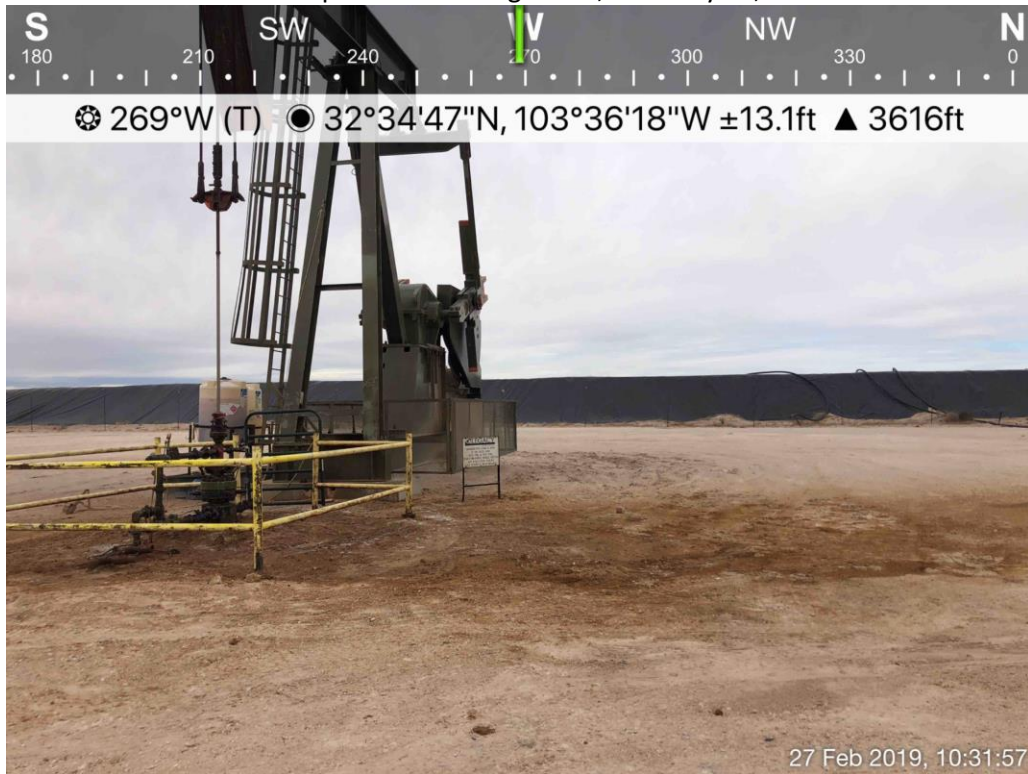


Spill Area Viewing Northwest, February 27, 2019

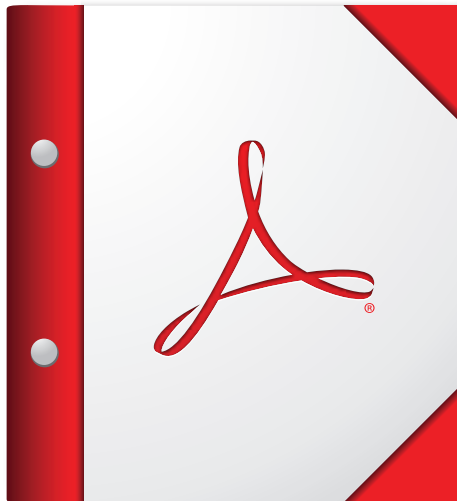
Hamon 2
LEA COUNTY, NEW MEXICO
OCTOBER 18, 2019



Spill Area Viewing South, February 27, 2019



Spill Area Viewing West, February 27, 2019



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Acrobat X or Adobe Reader X, or later.**

[Get Adobe Reader Now!](#)

From: [Eads, Cristina, EMNRD](#)
To: "bcunningham@legacylp.com"
Cc: [Mike EMNRD Bratcher \(mike.bratcher@state.nm.us\)](mailto:mike.bratcher@state.nm.us); [Robert EMNRD Hamlet \(Robert.Hamlet@state.nm.us\)](mailto:Robert.Hamlet@state.nm.us); [Victoria EMNRD Venegas \(Victoria.Venegas@state.nm.us\)](mailto:Victoria.Venegas@state.nm.us)
Subject: Hamon Federal Com A #2H Ref. No. 1RP-5394
Date: Wednesday, December 11, 2019 2:48:00 PM

Mr. Cunningham,

The OCD has received your delineation report and deferral request for **1RP-5394 Hamon Federal Com #2H**, thank you. The deferral request is denied for the following:

- The depth to ground water has not been adequately determined.
--I was unable to find any wells/well information within a half-mile radius of the site. Evidence of depth to ground water should be included in the report, including well construction information.

As the analytical data meets Closure Criteria for Soils Impacted by a Release for ground water at 51-100 feet bgs, Legacy will need to drill a borehole on site to 55' bgs and leave it open for at least 72 hours. If there is no evidence of ground water after 72 hours, the OCD will accept the evidence in the closure report with a copy of the driller's log.

If Legacy chooses not to drill a borehole to confirm depth to ground water, the impacted area will need to be fully delineated to meet closure criteria for water at a depth of <50'.

For further clarifications regarding the implementation of the spill rule, visit the OCD website: <http://www.emnrd.state.nm.us/OCD/documents/OCDInternalPolicy-SpillRuleClarifications.pdf>

Cristina Eads

Environmental Bureau

EMNRD – Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505.476.3084

email: Cristina.Eads@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

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

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 391959

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 391959
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	Historic documentation upload.	10/11/2024

APPENDIX D

CARMONA RESOURCES



Nearest water well

Coterra Energy Operating

Legend

- 0.03 Miles
- 0.50 Mile Radius
- 0.76 Miles
- Groundwater Determination Bore
- HAMON A FEDERAL COM #002H (02.22.2019)



105' GWDB - Drilled 2026

HAMON A FEDERAL COM #002H (02.22.2019)

105' GWDB - Drilled 2024



Low Karst

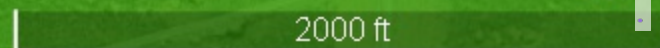
Coterra Energy Operating

Legend

-  HAMON A FEDERAL COM #002H (02.22.2019)
-  Low



HAMON A FEDERAL COM #002H (02.22.2019)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 00750 POD1		CP	LE		SW	SE	07	20S	34E	631639.0	3605834.0 *	●	776	320		
CP 02041 POD1		CP	LE	SE	SE	SE	07	20S	34E	632121.6	3605746.1	●	1226	105		
CP 02093 POD1		CP	LE	SW	SW	SE	06	20S	34E	631555.1	3607371.1	●	1911	105		
CP 00657 POD1		CP	LE		SW	SW	17	20S	34E	632465.0	3604239.0 *	●	2050	165		
CP 00798 POD1		CP	LE	NE	NW	NW	24	20S	33E	629348.0	3603892.0 *	●	2293	850		
CP 00748 POD1		CP	LE			NE	01	20S	33E	630197.0	3608428.0 *	●	2941			
CP 01980 POD1		CP	LE	NE	SW	SW	11	20S	33E	627611.5	3605794.6	●	3303	55	36	19
CP 01867 POD4		CP	LE	NW	NE	SE	20	20S	34E	633512.6	3603245.3	●	3493	220		
CP 01867 POD2		CP	LE	NW	NE	SE	20	20S	34E	633512.6	3603189.6	●	3531	200		
CP 01867 POD3		CP	LE	NW	NE	SE	20	20S	34E	633580.2	3603242.8	●	3546	220		
CP 01867 POD1		CP	LE	NW	NE	SE	20	20S	34E	633584.3	3603189.9	●	3584	200		
CP 01865 POD1		CP	LE	SE	SW	NE	02	20S	33E	628390.1	3608155.4	●	3606	105	0	105
L 07213		L	LE	SE	NW	SE	31	19S	34E	631700.0	3609351.0 *	●	3860	160	110	50
CP 02082 POD1		CP	LE	SE	SW	SE	23	20S	33E	628523.9	3602412.6	●	3958	105		

Average Depth to Water: **48 feet**

Minimum Depth: **0 feet**

Maximum Depth: **110 feet**

Record Count: 14

UTM Filters (in meters):

Easting: 630907.42

Northing: 3605573.13

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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-2103	
	WELL OWNER NAME(S) Coterra Energy Co.				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 840 Gessner Rd. Ste. 1400				CITY Houston	STATE ZIP TX 77024-4152
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 34	SECONDS 46.0	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE	103	36	20.1	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S18 T20s R34e						

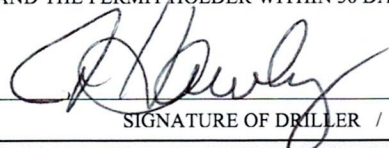
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862	NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC			
	DRILLING STARTED 1-21-26	DRILLING ENDED 1-21-26	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 1-27-26		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES – SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	105'	6'	No casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0'	5'	5'	Topsoil	Y <input checked="" type="checkbox"/> N	
	5'	10'	5'	Sand	Y <input checked="" type="checkbox"/> N	
	10'	25'	15'	Caliche	Y <input checked="" type="checkbox"/> N	
	25'	35'	10'	Sand	Y <input checked="" type="checkbox"/> N	
	35'	55'	20'	Sandy Brown Clay	Y <input checked="" type="checkbox"/> N	
	55'	80'	25'	Red Clay	Y <input checked="" type="checkbox"/> N	
	80'	105'	25'	Grey Clay	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 1-27-26 at the Coterra Hamon Fed Com South CTB Remediation site. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cuttings to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley DATE 1-29-26

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2103 Pod 1
Well owner: Coterra Energy Phone No.: 432-208-3035
Mailing address: 840 Gessner Rd. Ste. 1400
City: Houston State: TX Zip code: 77024-4152

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer
- 4) Date well plugging began: 1-27-26 Date well plugging concluded: 1-27-26
- 5) GPS Well Location: Latitude: 32 deg, 34 min, 46.0 sec
Longitude: 103 deg, 36 min, 20.1 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 1/2/26
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

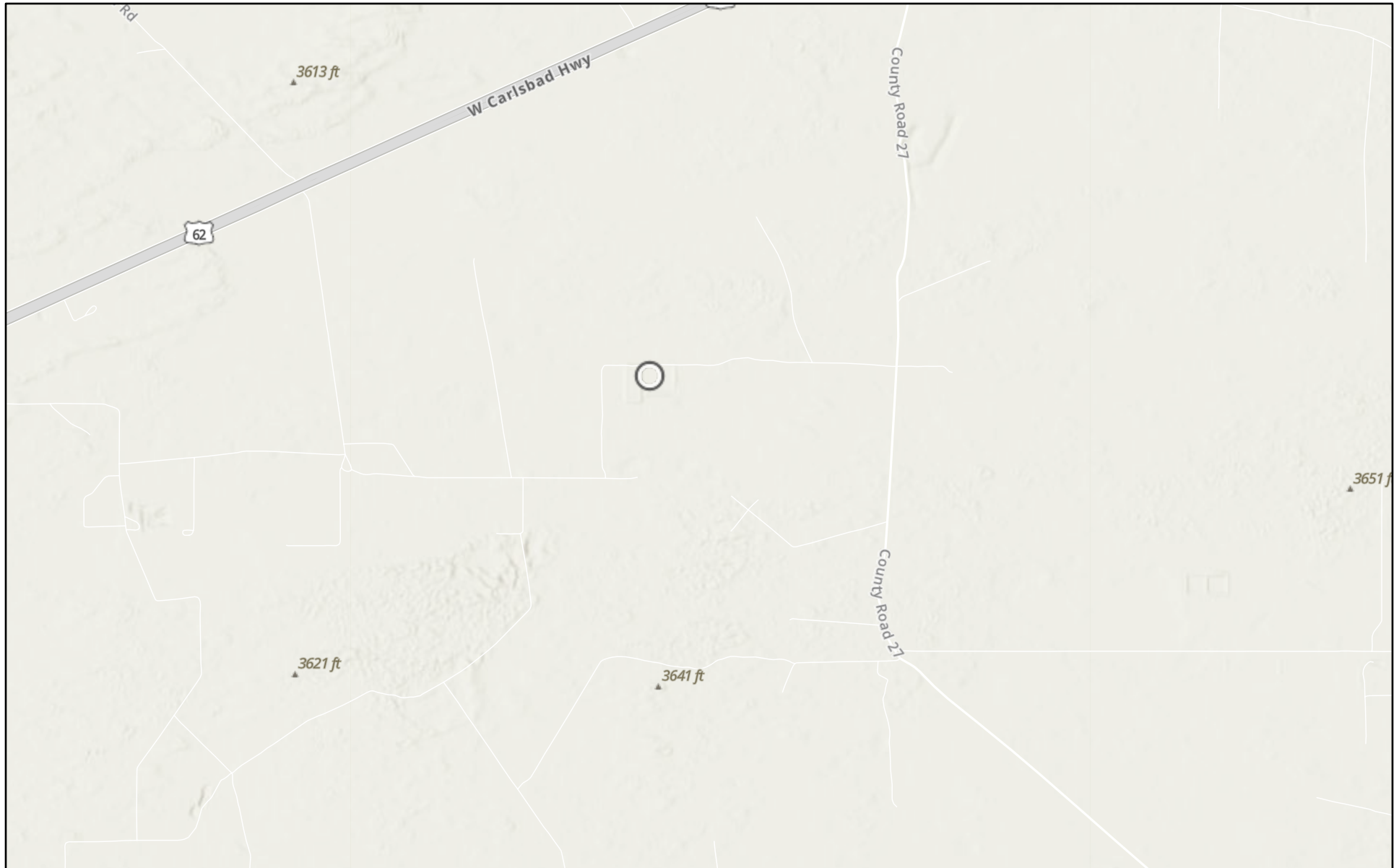
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-2030		
	WELL OWNER NAME(S) Delek Logistics Companies (Agent James Hawley H&R Enterprises, LLC)				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS P.O. Box 3641				CITY Hobbs	STATE NM	ZIP 88241
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE		32	34		
LONGITUDE		103	35	32.4 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 11-21-24	DRILLING ENDED 11-21-24	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 11-27-24		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES – SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	105'	6'	No casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

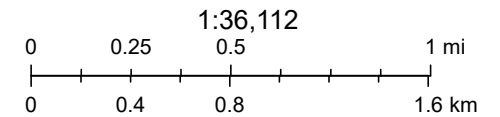
FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2	

HAMON A FEDERAL COM #002H (02.22.2019)



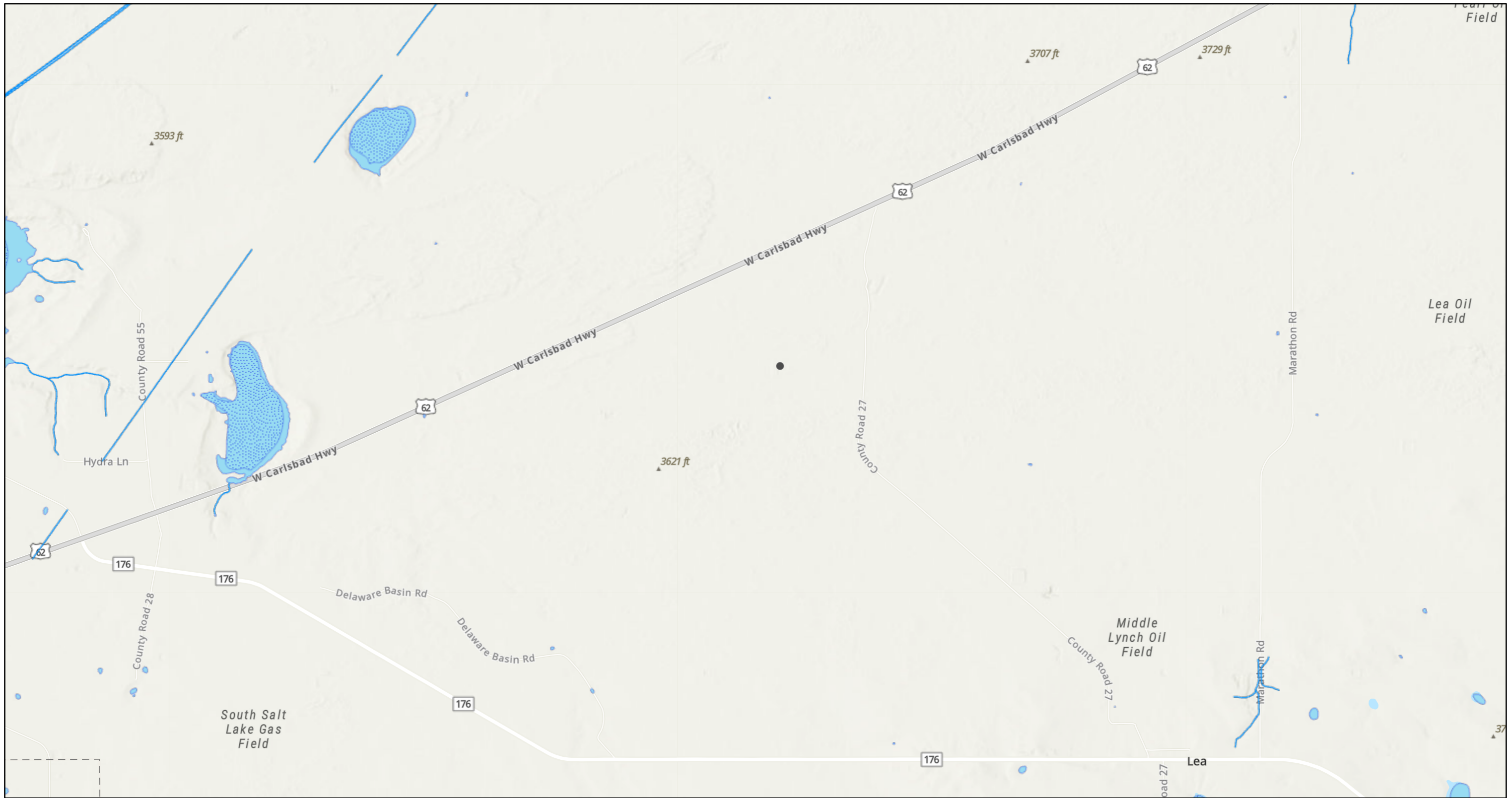
1/29/2026

World_Hillshade



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

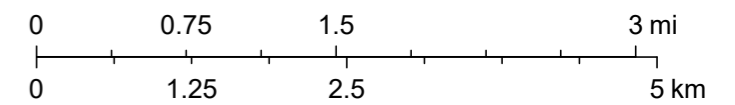
HAMON A FEDERAL COM #002H (02.22.2019)



1/29/2026, 9:39:36 AM

1:72,224

- OSW Water Bodies
- OSE Probable Playas
- OSE Streams



Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, NM OSE

U.S. Fish and Wildlife Service
National Wetlands Inventory

HAMON A FEDERAL COM #002H (02.22.2



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

January 29, 2026

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
 Carmona Resources
 310 W Wall St
 Ste 500
 Midland, Texas 79701

Generated 1/19/2026 7:03:01 PM

JOB DESCRIPTION

Hamon A Federal Com #002H
 3001

JOB NUMBER

880-67017-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/19/2026 7:03:01 PM

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

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Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Laboratory Job ID: 880-67017-1
SDG: 3001

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project: Hamon A Federal Com #002H

Job ID: 880-67017-1

Job ID: 880-67017-1

Eurofins Midland

Job Narrative 880-67017-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/14/2026 4:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.7°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-128971/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-128971/2-A) and (LCSD 880-128971/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Eurofins Midland



Client Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: 880-67017-1

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 16:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 16:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 16:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/26 10:14	01/15/26 16:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 16:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/26 10:14	01/15/26 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/15/26 10:14	01/15/26 16:57	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/15/26 10:14	01/15/26 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/15/26 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.3		49.9		mg/Kg			01/19/26 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/14/26 14:50	01/19/26 12:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/14/26 14:50	01/19/26 12:52	1
Oil Range Organics (Over C28-C36)	58.3		49.9		mg/Kg		01/14/26 14:50	01/19/26 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	01/14/26 14:50	01/19/26 12:52	1
o-Terphenyl (Surr)	108		70 - 130	01/14/26 14:50	01/19/26 12:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.2		10.0		mg/Kg			01/15/26 12:32	1

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

Lab Sample ID: 880-67017-2

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:14	01/15/26 17:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:14	01/15/26 17:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:14	01/15/26 17:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 10:14	01/15/26 17:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:14	01/15/26 17:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 10:14	01/15/26 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/15/26 10:14	01/15/26 17:17	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/15/26 10:14	01/15/26 17:17	1

Euofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: 880-67017-2

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/15/26 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130				01/14/26 14:50	01/19/26 13:06	1
o-Terphenyl (Surr)	112		70 - 130				01/14/26 14:50	01/19/26 13:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.7		9.96		mg/Kg			01/15/26 12:37	1

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

Lab Sample ID: 880-67017-3

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:14	01/15/26 17:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:14	01/15/26 17:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:14	01/15/26 17:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/15/26 10:14	01/15/26 17:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:14	01/15/26 17:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/15/26 10:14	01/15/26 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/15/26 10:14	01/15/26 17:38	1
1,4-Difluorobenzene (Surr)	82		70 - 130				01/15/26 10:14	01/15/26 17:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/15/26 17:38	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			01/19/26 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/14/26 14:50	01/19/26 13:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/14/26 14:50	01/19/26 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: 880-67017-3

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/14/26 14:50	01/19/26 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				01/14/26 14:50	01/19/26 13:21	1
o-Terphenyl (Surr)	115		70 - 130				01/14/26 14:50	01/19/26 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.4		9.98		mg/Kg			01/15/26 12:42	1

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

Lab Sample ID: 880-67017-4

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:14	01/15/26 17:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:14	01/15/26 17:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:14	01/15/26 17:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/26 10:14	01/15/26 17:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:14	01/15/26 17:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/26 10:14	01/15/26 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				01/15/26 10:14	01/15/26 17:58	1
1,4-Difluorobenzene (Surr)	79		70 - 130				01/15/26 10:14	01/15/26 17:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/15/26 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 13:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 13:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 13:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130				01/14/26 14:50	01/19/26 13:35	1
o-Terphenyl (Surr)	112		70 - 130				01/14/26 14:50	01/19/26 13:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.8		9.92		mg/Kg			01/15/26 12:57	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-67017-5

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:14	01/15/26 18:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:14	01/15/26 18:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:14	01/15/26 18:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/15/26 10:14	01/15/26 18:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:14	01/15/26 18:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/15/26 10:14	01/15/26 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/15/26 10:14	01/15/26 18:19	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/15/26 10:14	01/15/26 18:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/15/26 18:19	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			01/19/26 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/14/26 14:50	01/19/26 13:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/14/26 14:50	01/19/26 13:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/14/26 14:50	01/19/26 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	98		70 - 130	01/14/26 14:50	01/19/26 13:50	1
o-Terphenyl (Surr)	104		70 - 130	01/14/26 14:50	01/19/26 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		10.1		mg/Kg			01/15/26 13:02	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-67017-6

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 18:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 18:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 18:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/26 10:14	01/15/26 18:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 18:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/26 10:14	01/15/26 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/15/26 10:14	01/15/26 18:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130	01/15/26 10:14	01/15/26 18:39	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-67017-6

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/15/26 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 14:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 14:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130				01/14/26 14:50	01/19/26 14:04	1
o-Terphenyl (Surr)	110		70 - 130				01/14/26 14:50	01/19/26 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.5		9.94		mg/Kg			01/15/26 13:17	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-67017-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:14	01/15/26 19:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:14	01/15/26 19:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:14	01/15/26 19:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 10:14	01/15/26 19:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:14	01/15/26 19:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 10:14	01/15/26 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				01/15/26 10:14	01/15/26 19:00	1
1,4-Difluorobenzene (Surr)	84		70 - 130				01/15/26 10:14	01/15/26 19:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/15/26 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/19/26 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/14/26 14:50	01/19/26 14:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/14/26 14:50	01/19/26 14:19	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-67017-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/14/26 14:50	01/19/26 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				01/14/26 14:50	01/19/26 14:19	1
o-Terphenyl (Surr)	106		70 - 130				01/14/26 14:50	01/19/26 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.0		9.92		mg/Kg			01/15/26 13:22	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
SDG: 3001

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-67017-1	H-1 (0-0.5')	105	80
880-67017-2	H-2 (0-0.5')	105	79
880-67017-3	H-3 (0-0.5')	104	82
880-67017-4	H-4 (0-0.5')	112	79
880-67017-5	H-5 (0-0.5')	104	80
880-67017-6	H-6 (0-0.5')	96	82
880-67017-7	H-7 (0-0.5')	98	84
890-9354-A-1-D MS	Matrix Spike	101	73
890-9354-A-1-E MSD	Matrix Spike Duplicate	94	104
LCS 880-129018/1-A	Lab Control Sample	106	92
LCSD 880-129018/2-A	Lab Control Sample Dup	108	98
MB 880-129018/5-A	Method Blank	108	74

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-66996-A-11-B MS	Matrix Spike	108	105
880-66996-A-11-C MSD	Matrix Spike Duplicate	108	105
880-67017-1	H-1 (0-0.5')	103	108
880-67017-2	H-2 (0-0.5')	107	112
880-67017-3	H-3 (0-0.5')	110	115
880-67017-4	H-4 (0-0.5')	105	112
880-67017-5	H-5 (0-0.5')	98	104
880-67017-6	H-6 (0-0.5')	106	110
880-67017-7	H-7 (0-0.5')	101	106
LCS 880-128971/2-A	Lab Control Sample	147 S1+	145 S1+
LCSD 880-128971/3-A	Lab Control Sample Dup	148 S1+	145 S1+
MB 880-128971/1-A	Method Blank	135 S1+	148 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-129018/5-A
 Matrix: Solid
 Analysis Batch: 129008

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/26 10:14	01/15/26 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:14	01/15/26 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/26 10:14	01/15/26 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/15/26 10:14	01/15/26 11:55	1
1,4-Difluorobenzene (Surr)	74		70 - 130	01/15/26 10:14	01/15/26 11:55	1

Lab Sample ID: LCS 880-129018/1-A
 Matrix: Solid
 Analysis Batch: 129008

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1034		mg/Kg		103	70 - 130
Toluene	0.100	0.1040		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09893		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2003		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-129018/2-A
 Matrix: Solid
 Analysis Batch: 129008

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129018

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1075		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.1054		mg/Kg		105	70 - 130	1	35
Ethylbenzene	0.100	0.09949		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2034		mg/Kg		102	70 - 130	2	35
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-9354-A-1-D MS
 Matrix: Solid
 Analysis Batch: 129008

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 129018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09409		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.09910		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: 890-9354-A-1-D MS
 Matrix: Solid
 Analysis Batch: 129008

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 129018

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits	
	Result	Qualifier		Result	Qualifier					
Ethylbenzene	<0.00200	U	0.100	0.08787		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1535		mg/Kg		77	70 - 130	
o-Xylene	<0.00200	U	0.100	0.09345		mg/Kg		93	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	101		70 - 130							
1,4-Difluorobenzene (Surr)	73		70 - 130							

Lab Sample ID: 890-9354-A-1-E MSD
 Matrix: Solid
 Analysis Batch: 129008

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 129018

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	7	35
Toluene	<0.00200	U	0.100	0.09174		mg/Kg		92	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.09238		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1895		mg/Kg		95	70 - 130	21	35
o-Xylene	<0.00200	U	0.100	0.09453		mg/Kg		95	70 - 130	1	35
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

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

Lab Sample ID: MB 880-128971/1-A
 Matrix: Solid
 Analysis Batch: 129232

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 128971

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 02:58	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 02:58	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/14/26 14:50	01/19/26 02:58	1	
		MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane (Surr)	135	S1+	70 - 130	01/14/26 14:50	01/19/26 02:58	1				
o-Terphenyl (Surr)	148	S1+	70 - 130	01/14/26 14:50	01/19/26 02:58	1				

Lab Sample ID: LCS 880-128971/2-A
 Matrix: Solid
 Analysis Batch: 129232

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 128971

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1109		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1149		mg/Kg		115	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: LCS 880-128971/2-A
Matrix: Solid
Analysis Batch: 129232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 128971

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	147	S1+	70 - 130
o-Terphenyl (Surr)	145	S1+	70 - 130

Lab Sample ID: LCSD 880-128971/3-A
Matrix: Solid
Analysis Batch: 129232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 128971

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1120		mg/Kg		112	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	1000	1165		mg/Kg		117	70 - 130	1		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	148	S1+	70 - 130
o-Terphenyl (Surr)	145	S1+	70 - 130

Lab Sample ID: 880-66996-A-11-B MS
Matrix: Solid
Analysis Batch: 129232

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 128971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	772.3		mg/Kg		77	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	745.2		mg/Kg		75	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	105		70 - 130

Lab Sample ID: 880-66996-A-11-C MSD
Matrix: Solid
Analysis Batch: 129232

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 128971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	774.9		mg/Kg		78	70 - 130	0		20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	771.4		mg/Kg		77	70 - 130	3		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	105		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-129012/1-A
 Matrix: Solid
 Analysis Batch: 129021

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/26 11:19	1

Lab Sample ID: LCS 880-129012/2-A
 Matrix: Solid
 Analysis Batch: 129021

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.6		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-129012/3-A
 Matrix: Solid
 Analysis Batch: 129021

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-67017-3 MS
 Matrix: Solid
 Analysis Batch: 129021

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	82.4		250	342.9		mg/Kg		104	90 - 110

Lab Sample ID: 880-67017-3 MSD
 Matrix: Solid
 Analysis Batch: 129021

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.4		250	344.0		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

GC VOA

Analysis Batch: 129008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Total/NA	Solid	8021B	129018
880-67017-2	H-2 (0-0.5')	Total/NA	Solid	8021B	129018
880-67017-3	H-3 (0-0.5')	Total/NA	Solid	8021B	129018
880-67017-4	H-4 (0-0.5')	Total/NA	Solid	8021B	129018
880-67017-5	H-5 (0-0.5')	Total/NA	Solid	8021B	129018
880-67017-6	H-6 (0-0.5')	Total/NA	Solid	8021B	129018
880-67017-7	H-7 (0-0.5')	Total/NA	Solid	8021B	129018
MB 880-129018/5-A	Method Blank	Total/NA	Solid	8021B	129018
LCS 880-129018/1-A	Lab Control Sample	Total/NA	Solid	8021B	129018
LCS 880-129018/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	129018
890-9354-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	129018
890-9354-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	129018

Prep Batch: 129018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-67017-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-67017-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-67017-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-67017-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-67017-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-67017-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-129018/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-129018/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-129018/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9354-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-9354-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 129167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67017-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67017-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67017-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67017-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67017-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-67017-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 128971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67017-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67017-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67017-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67017-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67017-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-67017-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-128971/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-128971/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

GC Semi VOA (Continued)

Prep Batch: 128971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-128971/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-66996-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-66996-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 129232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	128971
880-67017-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	128971
880-67017-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	128971
880-67017-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	128971
880-67017-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	128971
880-67017-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	128971
880-67017-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	128971
MB 880-128971/1-A	Method Blank	Total/NA	Solid	8015B NM	128971
LCS 880-128971/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	128971
LCSD 880-128971/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	128971
880-66996-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	128971
880-66996-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	128971

Analysis Batch: 129367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-67017-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-67017-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-67017-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-67017-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-67017-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-67017-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 129012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-129012/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129012/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-129012/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67017-3 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-67017-3 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 129021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-1	H-1 (0-0.5')	Soluble	Solid	300.0	129012
880-67017-2	H-2 (0-0.5')	Soluble	Solid	300.0	129012
880-67017-3	H-3 (0-0.5')	Soluble	Solid	300.0	129012

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
SDG: 3001

HPLC/IC (Continued)

Analysis Batch: 129021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67017-4	H-4 (0-0.5')	Soluble	Solid	300.0	129012
880-67017-5	H-5 (0-0.5')	Soluble	Solid	300.0	129012
880-67017-6	H-6 (0-0.5')	Soluble	Solid	300.0	129012
880-67017-7	H-7 (0-0.5')	Soluble	Solid	300.0	129012
MB 880-129012/1-A	Method Blank	Soluble	Solid	300.0	129012
LCS 880-129012/2-A	Lab Control Sample	Soluble	Solid	300.0	129012
LCSD 880-129012/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129012
880-67017-3 MS	H-3 (0-0.5')	Soluble	Solid	300.0	129012
880-67017-3 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	129012

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: 880-67017-1

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 16:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129367	01/19/26 12:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 12:52	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 12:32	SMC	EET MID

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

Lab Sample ID: 880-67017-2

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 17:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129367	01/19/26 13:06	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 13:06	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 12:37	SMC	EET MID

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

Lab Sample ID: 880-67017-3

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 17:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129367	01/19/26 13:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 13:21	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 12:42	SMC	EET MID

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

Lab Sample ID: 880-67017-4

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 17:58	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
 SDG: 3001

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

Lab Sample ID: 880-67017-4

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			129367	01/19/26 13:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 13:35	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 12:57	SMC	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-67017-5

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 18:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129367	01/19/26 13:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 13:50	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 13:02	SMC	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-67017-6

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 18:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129367	01/19/26 14:04	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 14:04	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 13:17	SMC	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-67017-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	129018	01/15/26 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129008	01/15/26 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129167	01/15/26 19:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129367	01/19/26 14:19	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	128971	01/14/26 14:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129232	01/19/26 14:19	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
SDG: 3001

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-67017-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		1			129021	01/15/26 13:22	SMC	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
SDG: 3001

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
SDG: 3001

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Carmona Resources
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67017-1
SDG: 3001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67017-1	H-1 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas
880-67017-2	H-2 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas
880-67017-3	H-3 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas
880-67017-4	H-4 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas
880-67017-5	H-5 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas
880-67017-6	H-6 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas
880-67017-7	H-7 (0-0.5')	Solid	01/13/26 00:00	01/14/26 16:43	Texas

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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-67017-1

SDG Number: 3001

Login Number: 67017

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
 Coterra Energy Inc
 6001 Deauville Blvd
 Suite 300N
 Midland, Texas 79706

Generated 1/19/2026 7:08:12 PM

JOB DESCRIPTION

Hamon A Federal Com #002H
 Lea County, New Mexico

JOB NUMBER

880-67018-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



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1/19/2026 7:08:12 PM

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

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Client: Coterra Energy Inc
Project/Site: Hamon A Federal Com #002H

Laboratory Job ID: 880-67018-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Coterra Energy Inc
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, 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
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Coterra Energy Inc
Project: Hamon A Federal Com #002H

Job ID: 880-67018-1

Job ID: 880-67018-1

Eurofins Midland

Job Narrative 880-67018-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/14/2026 4:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.7°C.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-6 (0-0.25') (880-67018-6), CS-7 (0-0.25') (880-67018-7), CS-8 (0-0.25') (880-67018-8), CS-11 (0-0.25') (880-67018-11), CS-14 (0-0.25') (880-67018-14), CS-15 (0-0.25') (880-67018-15), (CCV 880-129006/64), (LCS 880-129025/1-A), (880-67018-A-1-E MS) and (880-67018-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-67018-A-21-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-129026/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-129024/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-129024/2-A) and (LCSD 880-129024/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-129013 and analytical batch 880-129029 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

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-67018-1

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		01/15/26 10:49	01/15/26 23:08	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		01/15/26 10:49	01/15/26 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/15/26 23:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/26 10:49	01/15/26 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/15/26 23:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/26 10:49	01/15/26 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/15/26 10:49	01/15/26 23:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/15/26 10:49	01/15/26 23:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/15/26 23:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/19/26 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 09:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 09:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 09:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130	01/15/26 10:47	01/19/26 09:05	1
o-Terphenyl (Surr)	126		70 - 130	01/15/26 10:47	01/19/26 09:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4430		201		mg/Kg			01/15/26 13:27	20

Client Sample ID: CS-2 (0-0.25')

Lab Sample ID: 880-67018-2

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/15/26 23:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/15/26 23:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/15/26 23:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/15/26 23:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/15/26 23:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/15/26 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	01/15/26 10:49	01/15/26 23:29	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/15/26 10:49	01/15/26 23:29	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-2 (0-0.25')

Lab Sample ID: 880-67018-2

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/15/26 23:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/19/26 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 09:47	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 09:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 09:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130				01/15/26 10:47	01/19/26 09:47	1
o-Terphenyl (Surr)	98		70 - 130				01/15/26 10:47	01/19/26 09:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6140		101		mg/Kg			01/15/26 13:32	10

Client Sample ID: CS-3 (0-0.25')

Lab Sample ID: 880-67018-3

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/15/26 23:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/15/26 23:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/15/26 23:49	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/15/26 10:49	01/15/26 23:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/15/26 23:49	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/15/26 10:49	01/15/26 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				01/15/26 10:49	01/15/26 23:49	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/15/26 10:49	01/15/26 23:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/15/26 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/19/26 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/15/26 10:47	01/19/26 10:01	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/15/26 10:47	01/19/26 10:01	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-3 (0-0.25')

Lab Sample ID: 880-67018-3

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/15/26 10:47	01/19/26 10:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	100		70 - 130				01/15/26 10:47	01/19/26 10:01	1
o-Terphenyl (Surr)	108		70 - 130				01/15/26 10:47	01/19/26 10:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4640		99.4		mg/Kg			01/15/26 13:37	10

Client Sample ID: CS-4 (0-0.25')

Lab Sample ID: 880-67018-4

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 00:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 00:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 00:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 00:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 00:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				01/15/26 10:49	01/16/26 00:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/15/26 10:49	01/16/26 00:09	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			01/16/26 00:09	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			01/19/26 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 10:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 10:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 10:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130				01/15/26 10:47	01/19/26 10:16	1
o-Terphenyl (Surr)	99		70 - 130				01/15/26 10:47	01/19/26 10:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5420		100		mg/Kg			01/15/26 13:42	10

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-5 (0-0.25')

Lab Sample ID: 880-67018-5

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 00:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 00:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 00:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/26 10:49	01/16/26 00:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 00:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/26 10:49	01/16/26 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/15/26 10:49	01/16/26 00:30	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/15/26 10:49	01/16/26 00:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/26 00:30	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			01/19/26 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/15/26 10:47	01/19/26 10:30	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/15/26 10:47	01/19/26 10:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/15/26 10:47	01/19/26 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	99		70 - 130	01/15/26 10:47	01/19/26 10:30	1
o-Terphenyl (Surr)	101		70 - 130	01/15/26 10:47	01/19/26 10:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5070		101		mg/Kg			01/15/26 13:47	10

Client Sample ID: CS-6 (0-0.25')

Lab Sample ID: 880-67018-6

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 00:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 00:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 00:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/16/26 00:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 00:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/16/26 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	01/15/26 10:49	01/16/26 00:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/15/26 10:49	01/16/26 00:50	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-6 (0-0.25')

Lab Sample ID: 880-67018-6

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/16/26 00:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 10:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 10:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 10:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130				01/15/26 10:47	01/19/26 10:44	1
o-Terphenyl (Surr)	100		70 - 130				01/15/26 10:47	01/19/26 10:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5770	F1	100		mg/Kg			01/15/26 14:12	10

Client Sample ID: CS-7 (0-0.25')

Lab Sample ID: 880-67018-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 01:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 01:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 01:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/15/26 10:49	01/16/26 01:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 01:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/15/26 10:49	01/16/26 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130				01/15/26 10:49	01/16/26 01:11	1
1,4-Difluorobenzene (Surr)	117		70 - 130				01/15/26 10:49	01/16/26 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/16/26 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 10:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 10:58	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-7 (0-0.25')

Lab Sample ID: 880-67018-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 10:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	91		70 - 130				01/15/26 10:47	01/19/26 10:58	1
o-Terphenyl (Surr)	96		70 - 130				01/15/26 10:47	01/19/26 10:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5920		101		mg/Kg			01/15/26 14:33	10

Client Sample ID: CS-8 (0-0.25')

Lab Sample ID: 880-67018-8

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 01:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 01:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 01:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 01:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 01:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				01/15/26 10:49	01/16/26 01:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/15/26 10:49	01/16/26 01:31	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			01/16/26 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/19/26 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 11:12	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 11:12	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 11:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130				01/15/26 10:47	01/19/26 11:12	1
o-Terphenyl (Surr)	93		70 - 130				01/15/26 10:47	01/19/26 11:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6150		199		mg/Kg			01/15/26 14:40	20

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-9 (0-0.25')

Lab Sample ID: 880-67018-9

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 01:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 01:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 01:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/15/26 10:49	01/16/26 01:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 01:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/15/26 10:49	01/16/26 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/15/26 10:49	01/16/26 01:52	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/15/26 10:49	01/16/26 01:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/16/26 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/19/26 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 11:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 11:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	01/15/26 10:47	01/19/26 11:26	1
o-Terphenyl (Surr)	90		70 - 130	01/15/26 10:47	01/19/26 11:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7830		198		mg/Kg			01/15/26 14:47	20

Client Sample ID: CS-10 (0-0.25')

Lab Sample ID: 880-67018-10

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 02:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 02:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 02:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/26 10:49	01/16/26 02:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 02:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/26 10:49	01/16/26 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	01/15/26 10:49	01/16/26 02:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	01/15/26 10:49	01/16/26 02:12	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-10 (0-0.25')

Lab Sample ID: 880-67018-10

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/26 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/19/26 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 11:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 11:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 11:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130				01/15/26 10:47	01/19/26 11:41	1
o-Terphenyl (Surr)	91		70 - 130				01/15/26 10:47	01/19/26 11:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6620		198		mg/Kg			01/15/26 14:54	20

Client Sample ID: CS-11 (0-0.25')

Lab Sample ID: 880-67018-11

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 03:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 03:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 03:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/16/26 03:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 03:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/16/26 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130				01/15/26 10:49	01/16/26 03:46	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/15/26 10:49	01/16/26 03:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/16/26 03:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/19/26 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/15/26 10:47	01/19/26 12:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/15/26 10:47	01/19/26 12:10	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-11 (0-0.25')

Lab Sample ID: 880-67018-11

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/15/26 10:47	01/19/26 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130				01/15/26 10:47	01/19/26 12:10	1
o-Terphenyl (Surr)	94		70 - 130				01/15/26 10:47	01/19/26 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7110		200		mg/Kg			01/15/26 15:15	20

Client Sample ID: CS-12 (0-0.25')

Lab Sample ID: 880-67018-12

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 04:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 04:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 04:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/15/26 10:49	01/16/26 04:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 04:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/15/26 10:49	01/16/26 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				01/15/26 10:49	01/16/26 04:07	1
1,4-Difluorobenzene (Surr)	71		70 - 130				01/15/26 10:49	01/16/26 04:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/16/26 04:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 12:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130				01/15/26 10:47	01/19/26 12:24	1
o-Terphenyl (Surr)	101		70 - 130				01/15/26 10:47	01/19/26 12:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7360		202		mg/Kg			01/15/26 15:21	20

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-13 (0-0.25')

Lab Sample ID: 880-67018-13

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 04:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 04:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 04:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/15/26 10:49	01/16/26 04:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/26 10:49	01/16/26 04:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/15/26 10:49	01/16/26 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/15/26 10:49	01/16/26 04:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/15/26 10:49	01/16/26 04:27	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			01/16/26 04:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/19/26 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 12:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 12:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	86		70 - 130	01/15/26 10:47	01/19/26 12:38	1
o-Terphenyl (Surr)	92		70 - 130	01/15/26 10:47	01/19/26 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4910		199		mg/Kg			01/15/26 15:28	20

Client Sample ID: CS-14 (0-0.25')

Lab Sample ID: 880-67018-14

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 04:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 04:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 04:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 04:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 04:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	01/15/26 10:49	01/16/26 04:48	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/15/26 10:49	01/16/26 04:48	1

Euofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (0-0.25')

Lab Sample ID: 880-67018-14

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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			01/16/26 04:48	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			01/19/26 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 12:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 12:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130				01/15/26 10:47	01/19/26 12:52	1
o-Terphenyl (Surr)	90		70 - 130				01/15/26 10:47	01/19/26 12:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7410		199		mg/Kg			01/15/26 15:35	20

Client Sample ID: CS-15 (0-0.25')

Lab Sample ID: 880-67018-15

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/15/26 10:49	01/16/26 05:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/15/26 10:49	01/16/26 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				01/15/26 10:49	01/16/26 05:08	1
1,4-Difluorobenzene (Surr)	75		70 - 130				01/15/26 10:49	01/16/26 05:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/16/26 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/19/26 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/15/26 10:47	01/19/26 13:06	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/15/26 10:47	01/19/26 13:06	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-15 (0-0.25')

Lab Sample ID: 880-67018-15

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/15/26 10:47	01/19/26 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130				01/15/26 10:47	01/19/26 13:06	1
o-Terphenyl (Surr)	93		70 - 130				01/15/26 10:47	01/19/26 13:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7710		198		mg/Kg			01/15/26 15:42	20

Client Sample ID: CS-16 (0-0.25')

Lab Sample ID: 880-67018-16

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 05:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 05:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 05:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/26 10:49	01/16/26 05:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 05:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/26 10:49	01/16/26 05:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				01/15/26 10:49	01/16/26 05:29	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/15/26 10:49	01/16/26 05:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/16/26 05:29	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			01/19/26 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 13:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 13:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130				01/15/26 10:47	01/19/26 13:21	1
o-Terphenyl (Surr)	90		70 - 130				01/15/26 10:47	01/19/26 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7590		200		mg/Kg			01/15/26 15:49	20

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-17 (0-0.25')

Lab Sample ID: 880-67018-17

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:49	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/15/26 10:49	01/16/26 05:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/15/26 10:49	01/16/26 05:49	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/15/26 10:49	01/16/26 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	01/15/26 10:49	01/16/26 05:49	1
1,4-Difluorobenzene (Surr)	81		70 - 130	01/15/26 10:49	01/16/26 05:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/16/26 05:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/19/26 13:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 13:35	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 13:35	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	94		70 - 130	01/15/26 10:47	01/19/26 13:35	1
o-Terphenyl (Surr)	98		70 - 130	01/15/26 10:47	01/19/26 13:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9040		198		mg/Kg			01/15/26 16:10	20

Client Sample ID: CS-8 (0-0.25')

Lab Sample ID: 880-67018-18

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 06:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 06:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 06:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/16/26 06:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 10:49	01/16/26 06:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 10:49	01/16/26 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	01/15/26 10:49	01/16/26 06:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/15/26 10:49	01/16/26 06:10	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-8 (0-0.25')

Lab Sample ID: 880-67018-18

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/16/26 06:10	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			01/19/26 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 13:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 13:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130	01/15/26 10:47	01/19/26 13:50	1
o-Terphenyl (Surr)	94		70 - 130	01/15/26 10:47	01/19/26 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7660		198		mg/Kg			01/15/26 16:17	20

Client Sample ID: CS-19 (0-0.25')

Lab Sample ID: 880-67018-19

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 06:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 06:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 06:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/15/26 10:49	01/16/26 06:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/16/26 06:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/15/26 10:49	01/16/26 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/15/26 10:49	01/16/26 06:30	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/15/26 10:49	01/16/26 06:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/16/26 06:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/19/26 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 14:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 14:04	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-19 (0-0.25')

Lab Sample ID: 880-67018-19

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/15/26 10:47	01/19/26 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95		70 - 130				01/15/26 10:47	01/19/26 14:04	1
o-Terphenyl (Surr)	100		70 - 130				01/15/26 10:47	01/19/26 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7420		201		mg/Kg			01/15/26 16:37	20

Client Sample ID: CS-20 (0-0.25')

Lab Sample ID: 880-67018-20

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 10:49	01/16/26 06:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 06:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 06:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 06:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/26 10:49	01/16/26 06:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/26 10:49	01/16/26 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				01/15/26 10:49	01/16/26 06:50	1
1,4-Difluorobenzene (Surr)	78		70 - 130				01/15/26 10:49	01/16/26 06:50	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			01/16/26 06:50	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			01/19/26 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 14:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 14:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:47	01/19/26 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130				01/15/26 10:47	01/19/26 14:19	1
o-Terphenyl (Surr)	95		70 - 130				01/15/26 10:47	01/19/26 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8240		202		mg/Kg			01/15/26 16:44	20

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-21 (0-0.25')

Lab Sample ID: 880-67018-21

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 11:24	01/15/26 12:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/15/26 11:24	01/15/26 12:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/15/26 11:24	01/15/26 12:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/15/26 11:24	01/15/26 12:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/15/26 11:24	01/15/26 12:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/15/26 11:24	01/15/26 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/15/26 11:24	01/15/26 12:36	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/15/26 11:24	01/15/26 12:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/15/26 12:36	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			01/18/26 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:53	01/18/26 21:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:53	01/18/26 21:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:53	01/18/26 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	01/15/26 10:53	01/18/26 21:42	1
o-Terphenyl (Surr)	94		70 - 130	01/15/26 10:53	01/18/26 21:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7050		199		mg/Kg			01/15/26 16:51	20

Client Sample ID: CS-22 (0-0.25')

Lab Sample ID: 880-67018-22

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 11:24	01/15/26 12:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/15/26 11:24	01/15/26 12:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/15/26 11:24	01/15/26 12:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/15/26 11:24	01/15/26 12:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/15/26 11:24	01/15/26 12:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/15/26 11:24	01/15/26 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/15/26 11:24	01/15/26 12:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/15/26 11:24	01/15/26 12:56	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-22 (0-0.25')

Lab Sample ID: 880-67018-22

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/15/26 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/18/26 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/15/26 10:53	01/18/26 22:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/15/26 10:53	01/18/26 22:27	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/15/26 10:53	01/18/26 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	108		70 - 130	01/15/26 10:53	01/18/26 22:27	1
o-Terphenyl (Surr)	95		70 - 130	01/15/26 10:53	01/18/26 22:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6090		200		mg/Kg			01/15/26 16:58	20

Client Sample ID: CS-23 (0-0.25')

Lab Sample ID: 880-67018-23

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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		01/15/26 11:24	01/15/26 17:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/26 11:24	01/15/26 17:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/26 11:24	01/15/26 17:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/15/26 11:24	01/15/26 17:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/26 11:24	01/15/26 17:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/26 11:24	01/15/26 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	01/15/26 11:24	01/15/26 17:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/15/26 11:24	01/15/26 17:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/15/26 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/18/26 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/15/26 10:53	01/18/26 22:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/15/26 10:53	01/18/26 22:42	1

Eurofins Midland

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-23 (0-0.25')

Lab Sample ID: 880-67018-23

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/15/26 10:53	01/18/26 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130				01/15/26 10:53	01/18/26 22:42	1
o-Terphenyl (Surr)	96		70 - 130				01/15/26 10:53	01/18/26 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		199		mg/Kg			01/15/26 17:05	20

Client Sample ID: CS-24 (0-0.25')

Lab Sample ID: 880-67018-24

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/15/26 11:24	01/15/26 17:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/15/26 11:24	01/15/26 17:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/15/26 11:24	01/15/26 17:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/15/26 11:24	01/15/26 17:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/15/26 11:24	01/15/26 17:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/15/26 11:24	01/15/26 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/15/26 11:24	01/15/26 17:43	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/15/26 11:24	01/15/26 17:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/15/26 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/18/26 22:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/15/26 10:53	01/18/26 22:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/15/26 10:53	01/18/26 22:56	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/15/26 10:53	01/18/26 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130				01/15/26 10:53	01/18/26 22:56	1
o-Terphenyl (Surr)	100		70 - 130				01/15/26 10:53	01/18/26 22:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8270		198		mg/Kg			01/15/26 17:12	20

Client Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-25 (0-0.25')

Lab Sample ID: 880-67018-25

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 11:24	01/15/26 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 11:24	01/15/26 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 11:24	01/15/26 18:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/15/26 11:24	01/15/26 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 11:24	01/15/26 18:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/26 11:24	01/15/26 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/15/26 11:24	01/15/26 18:03	1
1,4-Difluorobenzene (Surr)	94		70 - 130	01/15/26 11:24	01/15/26 18:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/15/26 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/18/26 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/15/26 10:53	01/18/26 23:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/15/26 10:53	01/18/26 23:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/15/26 10:53	01/18/26 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	115		70 - 130	01/15/26 10:53	01/18/26 23:11	1
o-Terphenyl (Surr)	102		70 - 130	01/15/26 10:53	01/18/26 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8770		199		mg/Kg			01/15/26 17:19	20

Surrogate Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-67018-1	CS-1 (0-0.25')	100	93
880-67018-1 MS	CS-1 (0-0.25')	131 S1+	102
880-67018-1 MSD	CS-1 (0-0.25')	163 S1+	111
880-67018-2	CS-2 (0-0.25')	113	85
880-67018-3	CS-3 (0-0.25')	116	108
880-67018-4	CS-4 (0-0.25')	117	103
880-67018-5	CS-5 (0-0.25')	111	80
880-67018-6	CS-6 (0-0.25')	155 S1+	93
880-67018-7	CS-7 (0-0.25')	162 S1+	117
880-67018-8	CS-8 (0-0.25')	152 S1+	94
880-67018-9	CS-9 (0-0.25')	106	87
880-67018-10	CS-10 (0-0.25')	118	91
880-67018-11	CS-11 (0-0.25')	156 S1+	93
880-67018-12	CS-12 (0-0.25')	126	71
880-67018-13	CS-13 (0-0.25')	125	92
880-67018-14	CS-14 (0-0.25')	132 S1+	79
880-67018-15	CS-15 (0-0.25')	137 S1+	75
880-67018-16	CS-16 (0-0.25')	118	81
880-67018-17	CS-17 (0-0.25')	125	81
880-67018-18	CS-8 (0-0.25')	111	96
880-67018-19	CS-19 (0-0.25')	122	110
880-67018-20	CS-20 (0-0.25')	101	78
880-67018-21	CS-21 (0-0.25')	106	97
880-67018-22	CS-22 (0-0.25')	100	95
880-67018-23	CS-23 (0-0.25')	98	94
880-67018-24	CS-24 (0-0.25')	104	90
880-67018-25	CS-25 (0-0.25')	99	94
LCS 880-129025/1-A	Lab Control Sample	134 S1+	92
LCS 880-129033/1-A	Lab Control Sample	96	94
LCS 880-129025/2-A	Lab Control Sample Dup	118	89
LCS 880-129033/2-A	Lab Control Sample Dup	99	95
MB 880-129004/5-A	Method Blank	87	79
MB 880-129025/5-A	Method Blank	114	106
MB 880-129033/5-A	Method Blank	106	86

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
890-9336-A-2-E MS	Matrix Spike		

Surrogate Legend

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

Surrogate Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-67018-1	CS-1 (0-0.25')	90	126
880-67018-1 MS	CS-1 (0-0.25')	113	109
880-67018-1 MSD	CS-1 (0-0.25')	113	109
880-67018-2	CS-2 (0-0.25')	89	98
880-67018-3	CS-3 (0-0.25')	100	108
880-67018-4	CS-4 (0-0.25')	94	99
880-67018-5	CS-5 (0-0.25')	99	101
880-67018-6	CS-6 (0-0.25')	93	100
880-67018-7	CS-7 (0-0.25')	91	96
880-67018-8	CS-8 (0-0.25')	89	93
880-67018-9	CS-9 (0-0.25')	85	90
880-67018-10	CS-10 (0-0.25')	86	91
880-67018-11	CS-11 (0-0.25')	88	94
880-67018-12	CS-12 (0-0.25')	95	101
880-67018-13	CS-13 (0-0.25')	86	92
880-67018-14	CS-14 (0-0.25')	83	90
880-67018-15	CS-15 (0-0.25')	87	93
880-67018-16	CS-16 (0-0.25')	84	90
880-67018-17	CS-17 (0-0.25')	94	98
880-67018-18	CS-8 (0-0.25')	88	94
880-67018-19	CS-19 (0-0.25')	95	100
880-67018-20	CS-20 (0-0.25')	93	95
880-67018-21	CS-21 (0-0.25')	103	94
880-67018-21 MS	CS-21 (0-0.25')	134 S1+	100
880-67018-21 MSD	CS-21 (0-0.25')	127	97
880-67018-22	CS-22 (0-0.25')	108	95
880-67018-23	CS-23 (0-0.25')	110	96
880-67018-24	CS-24 (0-0.25')	111	100
880-67018-25	CS-25 (0-0.25')	115	102
LCS 880-129024/2-A	Lab Control Sample	145 S1+	131 S1+
LCS 880-129026/2-A	Lab Control Sample	101	90
LCSD 880-129024/3-A	Lab Control Sample Dup	146 S1+	132 S1+
LCSD 880-129026/3-A	Lab Control Sample Dup	102	92
MB 880-129024/1-A	Method Blank	135 S1+	135 S1+
MB 880-129026/1-A	Method Blank	159 S1+	136 S1+

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
 OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-129004/5-A
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:44	01/15/26 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:44	01/15/26 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:44	01/15/26 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/26 08:44	01/15/26 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:44	01/15/26 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/26 08:44	01/15/26 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	01/15/26 08:44	01/15/26 11:50	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/15/26 08:44	01/15/26 11:50	1

Lab Sample ID: MB 880-129025/5-A
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129025

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/15/26 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/15/26 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/15/26 22:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/26 10:49	01/15/26 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 10:49	01/15/26 22:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/26 10:49	01/15/26 22:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	01/15/26 10:49	01/15/26 22:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/15/26 10:49	01/15/26 22:47	1

Lab Sample ID: LCS 880-129025/1-A
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129025

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09781		mg/Kg		98	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2202		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-129025/2-A
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129025

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08918		mg/Kg		89	70 - 130	9	35

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QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-129025/2-A
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129025

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08922		mg/Kg		89	70 - 130	13	35
Ethylbenzene	0.100	0.09672		mg/Kg		97	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1923		mg/Kg		96	70 - 130	14	35
o-Xylene	0.100	0.09322		mg/Kg		93	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-67018-1 MS
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: CS-1 (0-0.25')
 Prep Type: Total/NA
 Prep Batch: 129025

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.05860	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U F1	0.100	0.06558	F1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.07373		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1502		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.100	0.07221		mg/Kg		72	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-67018-1 MSD
 Matrix: Solid
 Analysis Batch: 129006

Client Sample ID: CS-1 (0-0.25')
 Prep Type: Total/NA
 Prep Batch: 129025

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.07888		mg/Kg		79	70 - 130	30	35
Toluene	<0.00200	U F1	0.100	0.08557		mg/Kg		86	70 - 130	26	35
Ethylbenzene	<0.00200	U	0.100	0.09364		mg/Kg		94	70 - 130	24	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1861		mg/Kg		93	70 - 130	21	35
o-Xylene	<0.00200	U	0.100	0.09218		mg/Kg		92	70 - 130	24	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-129033/5-A
 Matrix: Solid
 Analysis Batch: 129007

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:00	01/15/26 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:00	01/15/26 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:00	01/15/26 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/15/26 08:00	01/15/26 11:54	1

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QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-129033/5-A
Matrix: Solid
Analysis Batch: 129007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129033

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/26 08:00	01/15/26 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/26 08:00	01/15/26 11:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		70 - 130	01/15/26 08:00	01/15/26 11:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130	01/15/26 08:00	01/15/26 11:54	1

Lab Sample ID: LCS 880-129033/1-A
Matrix: Solid
Analysis Batch: 129007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129033

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09055		mg/Kg		91	70 - 130
Toluene	0.100	0.09042		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09006		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1990		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09555		mg/Kg		96	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-129033/2-A
Matrix: Solid
Analysis Batch: 129007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 129033

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.09307		mg/Kg		93	70 - 130	3	35
Toluene	0.100	0.09739		mg/Kg		97	70 - 130	7	35
Ethylbenzene	0.100	0.09374		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2131		mg/Kg		107	70 - 130	7	35
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	6	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-9336-A-2-E MS
Matrix: Solid
Analysis Batch: 129007

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 129033

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene			0.100	0.08663		mg/Kg		-	
Toluene			0.100	0.09000		mg/Kg		-	
Ethylbenzene			0.100	0.08776		mg/Kg		-	
m-Xylene & p-Xylene			0.200	0.1952		mg/Kg		-	
o-Xylene			0.100	0.09513		mg/Kg		-	

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QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 890-9336-A-2-E MS
 Matrix: Solid
 Analysis Batch: 129007

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 129033

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

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

Lab Sample ID: MB 880-129024/1-A
 Matrix: Solid
 Analysis Batch: 129234

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 129024

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 02:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 02:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/15/26 10:47	01/19/26 02:58	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	135	S1+	70 - 130	01/15/26 10:47	01/19/26 02:58	1
o-Terphenyl (Surr)	135	S1+	70 - 130	01/15/26 10:47	01/19/26 02:58	1

Lab Sample ID: LCS 880-129024/2-A
 Matrix: Solid
 Analysis Batch: 129234

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 129024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1274		mg/Kg		127	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	145	S1+	70 - 130
o-Terphenyl (Surr)	131	S1+	70 - 130

Lab Sample ID: LCSD 880-129024/3-A
 Matrix: Solid
 Analysis Batch: 129234

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 129024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	1285		mg/Kg		128	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	146	S1+	70 - 130
o-Terphenyl (Surr)	132	S1+	70 - 130

QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-129026/2-A
Matrix: Solid
Analysis Batch: 129212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129026

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	101		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-129026/3-A
Matrix: Solid
Analysis Batch: 129212

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 129026

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	907.0		mg/Kg		91	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	1000	857.3		mg/Kg		86	70 - 130	2		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	92		70 - 130

Lab Sample ID: 880-67018-21 MS
Matrix: Solid
Analysis Batch: 129212

Client Sample ID: CS-21 (0-0.25')
Prep Type: Total/NA
Prep Batch: 129026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	964.6		mg/Kg		96	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	861.5		mg/Kg		86	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	134	S1+	70 - 130
o-Terphenyl (Surr)	100		70 - 130

Lab Sample ID: 880-67018-21 MSD
Matrix: Solid
Analysis Batch: 129212

Client Sample ID: CS-21 (0-0.25')
Prep Type: Total/NA
Prep Batch: 129026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1010	935.7		mg/Kg		93	70 - 130	3		20
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	835.0		mg/Kg		83	70 - 130	3		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	127		70 - 130
o-Terphenyl (Surr)	97		70 - 130

QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-129012/1-A
 Matrix: Solid
 Analysis Batch: 129021

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/26 11:19	1

Lab Sample ID: LCS 880-129012/2-A
 Matrix: Solid
 Analysis Batch: 129021

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.6		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-129012/3-A
 Matrix: Solid
 Analysis Batch: 129021

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-67017-A-3-C MS
 Matrix: Solid
 Analysis Batch: 129021

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	82.4		250	342.9		mg/Kg		104	90 - 110

Lab Sample ID: 880-67017-A-3-D MSD
 Matrix: Solid
 Analysis Batch: 129021

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.4		250	344.0		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-129013/1-A
 Matrix: Solid
 Analysis Batch: 129029

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/15/26 13:52	1

Lab Sample ID: LCS 880-129013/2-A
 Matrix: Solid
 Analysis Batch: 129029

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.6		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-129013/3-A
 Matrix: Solid
 Analysis Batch: 129029

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.9		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-67018-6 MS
Matrix: Solid
Analysis Batch: 129029

Client Sample ID: CS-6 (0-0.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5770	F1	2510	9218	F1	mg/Kg		137	90 - 110

Lab Sample ID: 880-67018-6 MSD
Matrix: Solid
Analysis Batch: 129029

Client Sample ID: CS-6 (0-0.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5770	F1	2510	9228	F1	mg/Kg		138	90 - 110	0	20

Lab Sample ID: 880-67018-16 MS
Matrix: Solid
Analysis Batch: 129029

Client Sample ID: CS-16 (0-0.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7590		5000	12970		mg/Kg		108	90 - 110

Lab Sample ID: 880-67018-16 MSD
Matrix: Solid
Analysis Batch: 129029

Client Sample ID: CS-16 (0-0.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7590		5000	12980		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 129004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-129004/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 129006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-2	CS-2 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-3	CS-3 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-4	CS-4 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-5	CS-5 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-6	CS-6 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-7	CS-7 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-8	CS-8 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-9	CS-9 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-10	CS-10 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-11	CS-11 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-12	CS-12 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-13	CS-13 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-14	CS-14 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-15	CS-15 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-16	CS-16 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-17	CS-17 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-18	CS-8 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-19	CS-19 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-20	CS-20 (0-0.25')	Total/NA	Solid	8021B	129025
MB 880-129004/5-A	Method Blank	Total/NA	Solid	8021B	129004
MB 880-129025/5-A	Method Blank	Total/NA	Solid	8021B	129025
LCS 880-129025/1-A	Lab Control Sample	Total/NA	Solid	8021B	129025
LCSD 880-129025/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	129025
880-67018-1 MS	CS-1 (0-0.25')	Total/NA	Solid	8021B	129025
880-67018-1 MSD	CS-1 (0-0.25')	Total/NA	Solid	8021B	129025

Analysis Batch: 129007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-21	CS-21 (0-0.25')	Total/NA	Solid	8021B	129033
880-67018-22	CS-22 (0-0.25')	Total/NA	Solid	8021B	129033
880-67018-23	CS-23 (0-0.25')	Total/NA	Solid	8021B	129033
880-67018-24	CS-24 (0-0.25')	Total/NA	Solid	8021B	129033
880-67018-25	CS-25 (0-0.25')	Total/NA	Solid	8021B	129033
MB 880-129033/5-A	Method Blank	Total/NA	Solid	8021B	129033
LCS 880-129033/1-A	Lab Control Sample	Total/NA	Solid	8021B	129033
LCSD 880-129033/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	129033
890-9336-A-2-E MS	Matrix Spike	Total/NA	Solid	8021B	129033

Prep Batch: 129025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Total/NA	Solid	5035	
880-67018-2	CS-2 (0-0.25')	Total/NA	Solid	5035	
880-67018-3	CS-3 (0-0.25')	Total/NA	Solid	5035	
880-67018-4	CS-4 (0-0.25')	Total/NA	Solid	5035	
880-67018-5	CS-5 (0-0.25')	Total/NA	Solid	5035	
880-67018-6	CS-6 (0-0.25')	Total/NA	Solid	5035	

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QC Association Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 129025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-7	CS-7 (0-0.25')	Total/NA	Solid	5035	
880-67018-8	CS-8 (0-0.25')	Total/NA	Solid	5035	
880-67018-9	CS-9 (0-0.25')	Total/NA	Solid	5035	
880-67018-10	CS-10 (0-0.25')	Total/NA	Solid	5035	
880-67018-11	CS-11 (0-0.25')	Total/NA	Solid	5035	
880-67018-12	CS-12 (0-0.25')	Total/NA	Solid	5035	
880-67018-13	CS-13 (0-0.25')	Total/NA	Solid	5035	
880-67018-14	CS-14 (0-0.25')	Total/NA	Solid	5035	
880-67018-15	CS-15 (0-0.25')	Total/NA	Solid	5035	
880-67018-16	CS-16 (0-0.25')	Total/NA	Solid	5035	
880-67018-17	CS-17 (0-0.25')	Total/NA	Solid	5035	
880-67018-18	CS-8 (0-0.25')	Total/NA	Solid	5035	
880-67018-19	CS-19 (0-0.25')	Total/NA	Solid	5035	
880-67018-20	CS-20 (0-0.25')	Total/NA	Solid	5035	
MB 880-129025/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-129025/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-129025/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-67018-1 MS	CS-1 (0-0.25')	Total/NA	Solid	5035	
880-67018-1 MSD	CS-1 (0-0.25')	Total/NA	Solid	5035	

Prep Batch: 129033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-21	CS-21 (0-0.25')	Total/NA	Solid	5035	
880-67018-22	CS-22 (0-0.25')	Total/NA	Solid	5035	
880-67018-23	CS-23 (0-0.25')	Total/NA	Solid	5035	
880-67018-24	CS-24 (0-0.25')	Total/NA	Solid	5035	
880-67018-25	CS-25 (0-0.25')	Total/NA	Solid	5035	
MB 880-129033/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-129033/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-129033/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9336-A-2-E MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 129160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-2	CS-2 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-3	CS-3 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-4	CS-4 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-5	CS-5 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-6	CS-6 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-7	CS-7 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-8	CS-8 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-9	CS-9 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-10	CS-10 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-11	CS-11 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-12	CS-12 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-13	CS-13 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-14	CS-14 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-15	CS-15 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-16	CS-16 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-17	CS-17 (0-0.25')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 129160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-18	CS-8 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-19	CS-19 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-20	CS-20 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-21	CS-21 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-22	CS-22 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-23	CS-23 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-24	CS-24 (0-0.25')	Total/NA	Solid	Total BTEX	
880-67018-25	CS-25 (0-0.25')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 129024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-2	CS-2 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-3	CS-3 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-4	CS-4 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-5	CS-5 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-6	CS-6 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-7	CS-7 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-8	CS-8 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-9	CS-9 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-10	CS-10 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-11	CS-11 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-12	CS-12 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-13	CS-13 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-14	CS-14 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-15	CS-15 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-16	CS-16 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-17	CS-17 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-18	CS-8 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-19	CS-19 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-20	CS-20 (0-0.25')	Total/NA	Solid	8015NM Prep	
MB 880-129024/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-129024/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-129024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67018-1 MS	CS-1 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-1 MSD	CS-1 (0-0.25')	Total/NA	Solid	8015NM Prep	

Prep Batch: 129026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-21	CS-21 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-22	CS-22 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-23	CS-23 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-24	CS-24 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-25	CS-25 (0-0.25')	Total/NA	Solid	8015NM Prep	
MB 880-129026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-129026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-129026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-67018-21 MS	CS-21 (0-0.25')	Total/NA	Solid	8015NM Prep	
880-67018-21 MSD	CS-21 (0-0.25')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 129212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-21	CS-21 (0-0.25')	Total/NA	Solid	8015B NM	129026
880-67018-22	CS-22 (0-0.25')	Total/NA	Solid	8015B NM	129026
880-67018-23	CS-23 (0-0.25')	Total/NA	Solid	8015B NM	129026
880-67018-24	CS-24 (0-0.25')	Total/NA	Solid	8015B NM	129026
880-67018-25	CS-25 (0-0.25')	Total/NA	Solid	8015B NM	129026
MB 880-129026/1-A	Method Blank	Total/NA	Solid	8015B NM	129026
LCS 880-129026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	129026
LCSD 880-129026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	129026
880-67018-21 MS	CS-21 (0-0.25')	Total/NA	Solid	8015B NM	129026
880-67018-21 MSD	CS-21 (0-0.25')	Total/NA	Solid	8015B NM	129026

Analysis Batch: 129234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-2	CS-2 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-3	CS-3 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-4	CS-4 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-5	CS-5 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-6	CS-6 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-7	CS-7 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-8	CS-8 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-9	CS-9 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-10	CS-10 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-11	CS-11 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-12	CS-12 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-13	CS-13 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-14	CS-14 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-15	CS-15 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-16	CS-16 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-17	CS-17 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-18	CS-8 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-19	CS-19 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-20	CS-20 (0-0.25')	Total/NA	Solid	8015B NM	129024
MB 880-129024/1-A	Method Blank	Total/NA	Solid	8015B NM	129024
LCS 880-129024/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	129024
LCSD 880-129024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	129024
880-67018-1 MS	CS-1 (0-0.25')	Total/NA	Solid	8015B NM	129024
880-67018-1 MSD	CS-1 (0-0.25')	Total/NA	Solid	8015B NM	129024

Analysis Batch: 129344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-2	CS-2 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-3	CS-3 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-4	CS-4 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-5	CS-5 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-6	CS-6 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-7	CS-7 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-8	CS-8 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-9	CS-9 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-10	CS-10 (0-0.25')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 129344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-11	CS-11 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-12	CS-12 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-13	CS-13 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-14	CS-14 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-15	CS-15 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-16	CS-16 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-17	CS-17 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-18	CS-8 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-19	CS-19 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-20	CS-20 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-21	CS-21 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-22	CS-22 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-23	CS-23 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-24	CS-24 (0-0.25')	Total/NA	Solid	8015 NM	
880-67018-25	CS-25 (0-0.25')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 129012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-2	CS-2 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-3	CS-3 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-4	CS-4 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-5	CS-5 (0-0.25')	Soluble	Solid	DI Leach	
MB 880-129012/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129012/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS D 880-129012/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67017-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-67017-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 129013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-6	CS-6 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-7	CS-7 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-8	CS-8 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-9	CS-9 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-10	CS-10 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-11	CS-11 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-12	CS-12 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-13	CS-13 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-14	CS-14 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-15	CS-15 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-16	CS-16 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-17	CS-17 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-18	CS-8 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-19	CS-19 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-20	CS-20 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-21	CS-21 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-22	CS-22 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-23	CS-23 (0-0.25')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 129013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-24	CS-24 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-25	CS-25 (0-0.25')	Soluble	Solid	DI Leach	
MB 880-129013/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-129013/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-129013/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-67018-6 MS	CS-6 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-6 MSD	CS-6 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-16 MS	CS-16 (0-0.25')	Soluble	Solid	DI Leach	
880-67018-16 MSD	CS-16 (0-0.25')	Soluble	Solid	DI Leach	

Analysis Batch: 129021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-1	CS-1 (0-0.25')	Soluble	Solid	300.0	129012
880-67018-2	CS-2 (0-0.25')	Soluble	Solid	300.0	129012
880-67018-3	CS-3 (0-0.25')	Soluble	Solid	300.0	129012
880-67018-4	CS-4 (0-0.25')	Soluble	Solid	300.0	129012
880-67018-5	CS-5 (0-0.25')	Soluble	Solid	300.0	129012
MB 880-129012/1-A	Method Blank	Soluble	Solid	300.0	129012
LCS 880-129012/2-A	Lab Control Sample	Soluble	Solid	300.0	129012
LCSD 880-129012/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129012
880-67017-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	129012
880-67017-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	129012

Analysis Batch: 129029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-6	CS-6 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-7	CS-7 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-8	CS-8 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-9	CS-9 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-10	CS-10 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-11	CS-11 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-12	CS-12 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-13	CS-13 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-14	CS-14 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-15	CS-15 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-16	CS-16 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-17	CS-17 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-18	CS-8 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-19	CS-19 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-20	CS-20 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-21	CS-21 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-22	CS-22 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-23	CS-23 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-24	CS-24 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-25	CS-25 (0-0.25')	Soluble	Solid	300.0	129013
MB 880-129013/1-A	Method Blank	Soluble	Solid	300.0	129013
LCS 880-129013/2-A	Lab Control Sample	Soluble	Solid	300.0	129013
LCSD 880-129013/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	129013
880-67018-6 MS	CS-6 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-6 MSD	CS-6 (0-0.25')	Soluble	Solid	300.0	129013
880-67018-16 MS	CS-16 (0-0.25')	Soluble	Solid	300.0	129013

Eurofins Midland

QC Association Summary

Client: Coterra Energy Inc
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 129029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-67018-16 MSD	CS-16 (0-0.25')	Soluble	Solid	300.0	129013

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

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-67018-1

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/15/26 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 23:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 09:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 09:05	FC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		20			129021	01/15/26 13:27	SMC	EET MID

Client Sample ID: CS-2 (0-0.25')

Lab Sample ID: 880-67018-2

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/15/26 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 23:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 09:47	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 09:47	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		10			129021	01/15/26 13:32	SMC	EET MID

Client Sample ID: CS-3 (0-0.25')

Lab Sample ID: 880-67018-3

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/15/26 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 23:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 10:01	SA	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 10:01	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		10			129021	01/15/26 13:37	SMC	EET MID

Client Sample ID: CS-4 (0-0.25')

Lab Sample ID: 880-67018-4

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 00:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-4 (0-0.25')

Lab Sample ID: 880-67018-4

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			129344	01/19/26 10:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 10:16	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		10			129021	01/15/26 13:42	SMC	EET MID

Client Sample ID: CS-5 (0-0.25')

Lab Sample ID: 880-67018-5

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 00:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 10:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 10:30	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	129012	01/15/26 09:39	SA	EET MID
Soluble	Analysis	300.0		10			129021	01/15/26 13:47	SMC	EET MID

Client Sample ID: CS-6 (0-0.25')

Lab Sample ID: 880-67018-6

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 00:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 10:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 10:44	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		10			129029	01/15/26 14:12	CS	EET MID

Client Sample ID: CS-7 (0-0.25')

Lab Sample ID: 880-67018-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 01:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 10:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 10:58	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-7 (0-0.25')

Lab Sample ID: 880-67018-7

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		10			129029	01/15/26 14:33	CS	EET MID

Client Sample ID: CS-8 (0-0.25')

Lab Sample ID: 880-67018-8

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 01:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 11:12	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 11:12	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 14:40	CS	EET MID

Client Sample ID: CS-9 (0-0.25')

Lab Sample ID: 880-67018-9

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 01:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 11:26	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 11:26	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 14:47	CS	EET MID

Client Sample ID: CS-10 (0-0.25')

Lab Sample ID: 880-67018-10

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 02:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 11:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 11:41	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 14:54	CS	EET MID

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-11 (0-0.25')

Lab Sample ID: 880-67018-11

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 03:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 03:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 12:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 12:10	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 15:15	CS	EET MID

Client Sample ID: CS-12 (0-0.25')

Lab Sample ID: 880-67018-12

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 04:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 04:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 12:24	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 12:24	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 15:21	CS	EET MID

Client Sample ID: CS-13 (0-0.25')

Lab Sample ID: 880-67018-13

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 04:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 12:38	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 12:38	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 15:28	CS	EET MID

Client Sample ID: CS-14 (0-0.25')

Lab Sample ID: 880-67018-14

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 04:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 04:48	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-14 (0-0.25')

Lab Sample ID: 880-67018-14

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			129344	01/19/26 12:52	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 12:52	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 15:35	CS	EET MID

Client Sample ID: CS-15 (0-0.25')

Lab Sample ID: 880-67018-15

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 05:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 05:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 13:06	SA	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 13:06	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 15:42	CS	EET MID

Client Sample ID: CS-16 (0-0.25')

Lab Sample ID: 880-67018-16

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 05:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 05:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 13:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 13:21	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 15:49	CS	EET MID

Client Sample ID: CS-17 (0-0.25')

Lab Sample ID: 880-67018-17

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 05:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 05:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 13:35	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 13:35	FC	EET MID

Eurofins Midland

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-17 (0-0.25')

Lab Sample ID: 880-67018-17

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 16:10	CS	EET MID

Client Sample ID: CS-8 (0-0.25')

Lab Sample ID: 880-67018-18

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 06:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 06:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 13:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 13:50	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 16:17	CS	EET MID

Client Sample ID: CS-19 (0-0.25')

Lab Sample ID: 880-67018-19

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 06:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 14:04	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 14:04	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 16:37	CS	EET MID

Client Sample ID: CS-20 (0-0.25')

Lab Sample ID: 880-67018-20

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	129025	01/15/26 10:49	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129006	01/16/26 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/16/26 06:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/19/26 14:19	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	129024	01/15/26 10:47	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129234	01/19/26 14:19	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 16:44	CS	EET MID

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-21 (0-0.25')

Lab Sample ID: 880-67018-21

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	129033	01/15/26 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129007	01/15/26 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 12:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/18/26 21:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	129026	01/15/26 10:53	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129212	01/18/26 21:42	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 16:51	CS	EET MID

Client Sample ID: CS-22 (0-0.25')

Lab Sample ID: 880-67018-22

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	129033	01/15/26 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129007	01/15/26 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 12:56	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/18/26 22:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	129026	01/15/26 10:53	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129212	01/18/26 22:27	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 16:58	CS	EET MID

Client Sample ID: CS-23 (0-0.25')

Lab Sample ID: 880-67018-23

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	129033	01/15/26 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129007	01/15/26 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 17:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/18/26 22:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	129026	01/15/26 10:53	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129212	01/18/26 22:42	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 17:05	CS	EET MID

Client Sample ID: CS-24 (0-0.25')

Lab Sample ID: 880-67018-24

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	129033	01/15/26 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129007	01/15/26 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 17:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

Client Sample ID: CS-24 (0-0.25')

Lab Sample ID: 880-67018-24

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			129344	01/18/26 22:56	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10.00 mL	129026	01/15/26 10:53	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129212	01/18/26 22:56	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 17:12	CS	EET MID

Client Sample ID: CS-25 (0-0.25')

Lab Sample ID: 880-67018-25

Date Collected: 01/13/26 00:00

Matrix: Solid

Date Received: 01/14/26 16:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	129033	01/15/26 11:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	129007	01/15/26 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			129160	01/15/26 18:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			129344	01/18/26 23:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	129026	01/15/26 10:53	JN	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	129212	01/18/26 23:11	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	129013	01/15/26 09:42	SA	EET MID
Soluble	Analysis	300.0		20			129029	01/15/26 17:19	CS	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Coterra Energy Inc
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
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Method Summary

Client: Coterra Energy Inc
 Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
 SDG: Lea County, New Mexico

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: Coterra Energy Inc
Project/Site: Hamon A Federal Com #002H

Job ID: 880-67018-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-67018-1	CS-1 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-2	CS-2 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-3	CS-3 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-4	CS-4 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-5	CS-5 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-6	CS-6 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-7	CS-7 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-8	CS-8 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-9	CS-9 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-10	CS-10 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-11	CS-11 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-12	CS-12 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-13	CS-13 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-14	CS-14 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-15	CS-15 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-16	CS-16 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-17	CS-17 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-18	CS-8 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-19	CS-19 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-20	CS-20 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-21	CS-21 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-22	CS-22 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-23	CS-23 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-24	CS-24 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico
880-67018-25	CS-25 (0-0.25')	Solid	01/13/26 00:00	01/14/26 16:43	New Mexico

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Chain of Custody



880-67018 Chain of Custody

Page 1 of 3

Project Manager:	Ashton Thielke	Bill To: (if different):	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W. Wall St Ste 500	Address:	600 N. Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com & ThielkeA@carmonaresources.com

Work Order Comments:

Program: PST PRP Brownfields RRC perfund

State of Project: Level II Level III ST/UST RRP Level IV

Reporting Level II: Level III ST/UST RRP Level IV

Deliverables: EDD ADaPT Other

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres Code	Sample Comments	Sample Comments	
CS-1 (0-0 25')	1/13/2026		X		C	1	TPH 8015M (GRO + DRO + MRO)			None NO	DI Water H ₂ O
CS-2 (0-0 25')	1/13/2026		X		C	1	BTEX 8021B			Cool Cool	MeOH Me
CS-3 (0-0 25')	1/13/2026		X		C	1				HCL, HC	HNO ₃ HN
CS-4 (0-0 25')	1/13/2026		X		C	1				H ₂ SO ₄ H ₂	NaOH Na
CS-5 (0-0 25')	1/13/2026		X		C	1				H ₃ PO ₄ HP	
CS-6 (0-0 25')	1/13/2026		X		C	1				NaHSO ₄ NABIS	
CS-7 (0-0 25')	1/13/2026		X		C	1				Na ₂ S ₂ O ₃ NaSO ₃	
CS-8 (0-0 25')	1/13/2026		X		C	1				Zn Acetate+NaOH Zn	
CS-9 (0-0 25')	1/13/2026		X		C	1				NaOH+Ascorbic Acid. SACP	
CS-10 (0-0 25')	1/13/2026		X		C	1					

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	1-14-26		1-14-26 1613



Login Sample Receipt Checklist

Client: Coterra Energy Inc

Job Number: 880-67018-1
SDG Number: Lea County, New Mexico

Login Number: 67018

List Number: 1

Creator: Dyal, Erica

List Source: Eurofins Midland

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

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Sante Fe Main Office
Phone: (505) 476-3441

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

Action 549755

QUESTIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1907830479
Incident Name	NAB1907830479 HAMON A FEDERAL COM #002H @ 30-025-41630
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-41630] HAMON A FEDERAL COM #002H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	HAMON A FEDERAL COM #002H
Date Release Discovered	02/22/2019
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Blow Out Other (Specify) Crude Oil Released: 45 BBL Recovered: 40 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Blow Out Other (Specify) Produced Water Released: 45 BBL Recovered: 40 BBL Lost: 5 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.

Sante Fe Main Office
Phone: (505) 476-3441

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 2

Action 549755

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 02/03/2026
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 549755

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	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	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	10000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/13/2026
On what date will (or did) the final sampling or liner inspection occur	01/13/2026
On what date will (or was) the remediation complete(d)	01/13/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3800
What is the estimated volume (in cubic yards) that will be remediated	35

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

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

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QUESTIONS, Page 4

Action 549755

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	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	fEEM0112342028 LEA LAND LANDFILL
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.

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 02/03/2026
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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, Page 5

Action 549755

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 549755

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	541635
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/13/2026
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	3800

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	3800
What was the total volume (cubic yards) remediated	35
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)	A surface scrape was conducted onsite. A Groundwater Determination Bore was drilled to 105' onsite. Composite samples were collected. Due to the shallow nature of the surface scrape, no backfill was brought in to the caliche well pad as there is still plenty of caliche on the surface.

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

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

I hereby agree and sign off to the above statement	Name: Ashton Thielke Title: EHS Specialist Email: Ashton.Thielke@coterra.com Date: 02/03/2026
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QUESTIONS, Page 7

Action 549755

QUESTIONS (continued)

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 549755

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 549755
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	3/24/2026