



SITE INFORMATION

Closure Report
Blue Thunder 5 Federal #4 (12.04.21)
Eddy County, New Mexico
Unit P Sec 05 T19S R31E
32.683565°, -103.884622°

Crude Oil Release/Produced Water
Point of Release: Wellhead
Release Date: 12/04/2022
Volume Released: 3 barrels of Crude Oil, 8 barrels of Produced Water
Volume Recovered: 0 barrels of Crude Oil, 0 barrels of Produced Water

CARMONA RESOURCES



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

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

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March 15, 2022

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

**Re: Closure Report
Blue Thunder 5 Federal #4 (12.04.21)
Concho Operating, LLC
Incident ID NAPP2201126212
Site Location: Unit P, S05, T19S, R31E
(Lat 32.683565°, Long -103.884622°)
Eddy County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document Blue Thunder 5 Federal No.4 (12.04.21) site activities. The site is located at 32.683565°, -103.884622° within Unit P, S05, T19S, R31E, in Eddy 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 December 4, 2021, due to a leak at the wellhead. It resulted in approximately three (3) barrels of crude oil and eight (8) barrels of produced water. Zero (0) barrels of crude oil were recovered, and zero (0) barrels of produced water were recovered. See figure 3. The initial C-141 form is attached in Appendix C.

On March 8, 2022, Robert Hamlet approved an extension for remediation activities and a closure report to be completed by June 4, 2022.

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, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 2.51 miles Northeast of the site in S35, T18S, R31E and was drilled in 1994. The well has a reported depth to groundwater of 260.67' feet below ground surface (ft bgs). A copy of the associated USGS – National Water Information System report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

On December 15, 2021, a third-party consultant performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) sample points were advanced to depths ranging from surface – 0.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations.

For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite from March 9, 2022, through March 10, 2022, to supervise the remediation activities and collect confirmation samples. The areas were excavated to 1.5' below surface to remove all impacted soils.

A total of eight (8) confirmation samples were collected (CS-1 through CS-8), and eight (8) sidewall samples (SW-1 through SW-8) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 80 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

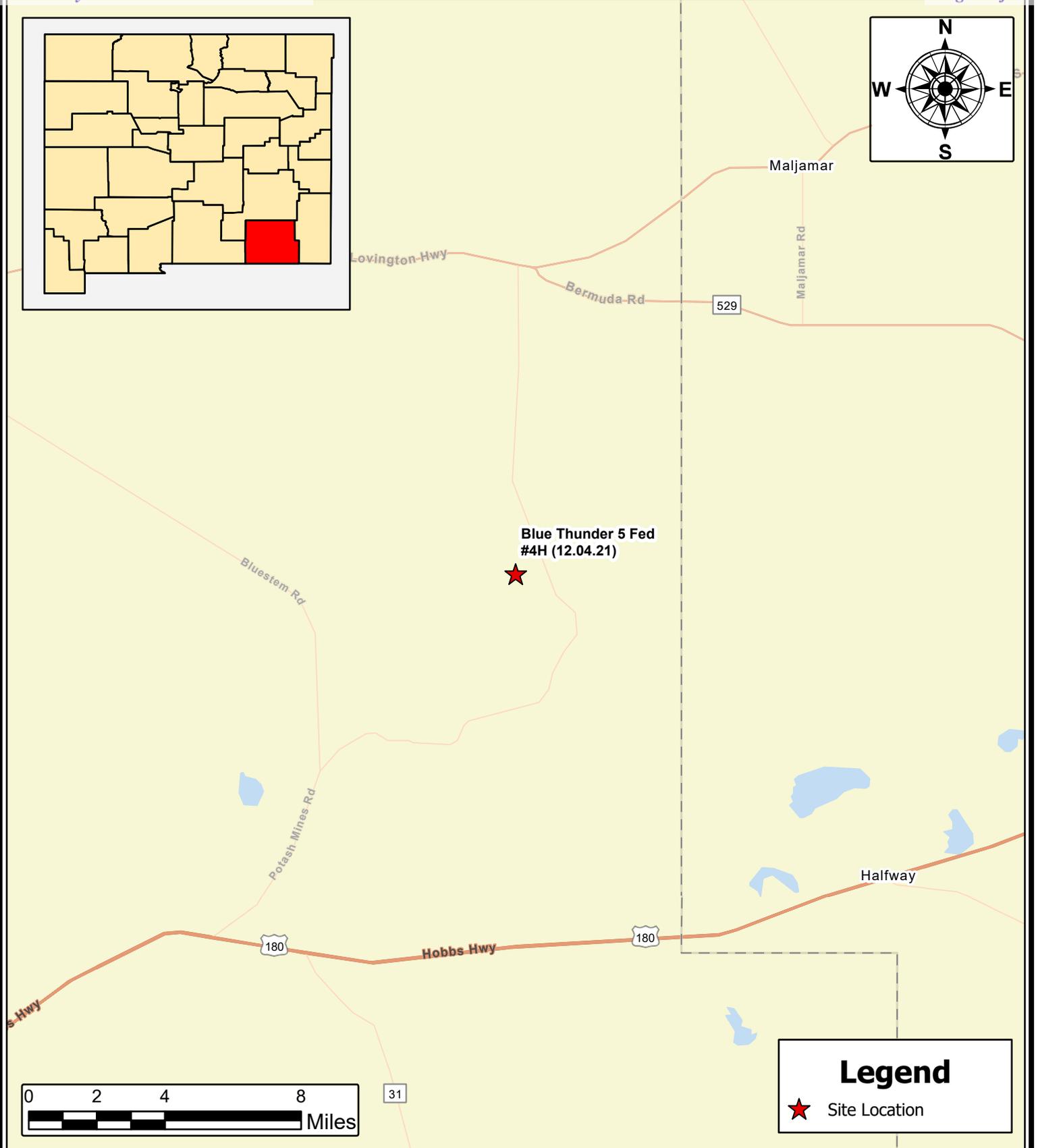
Mike Carmona
Environmental Manager

Clinton Merritt
Sr Project Manager

FIGURES

CARMONA RESOURCES





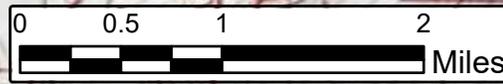
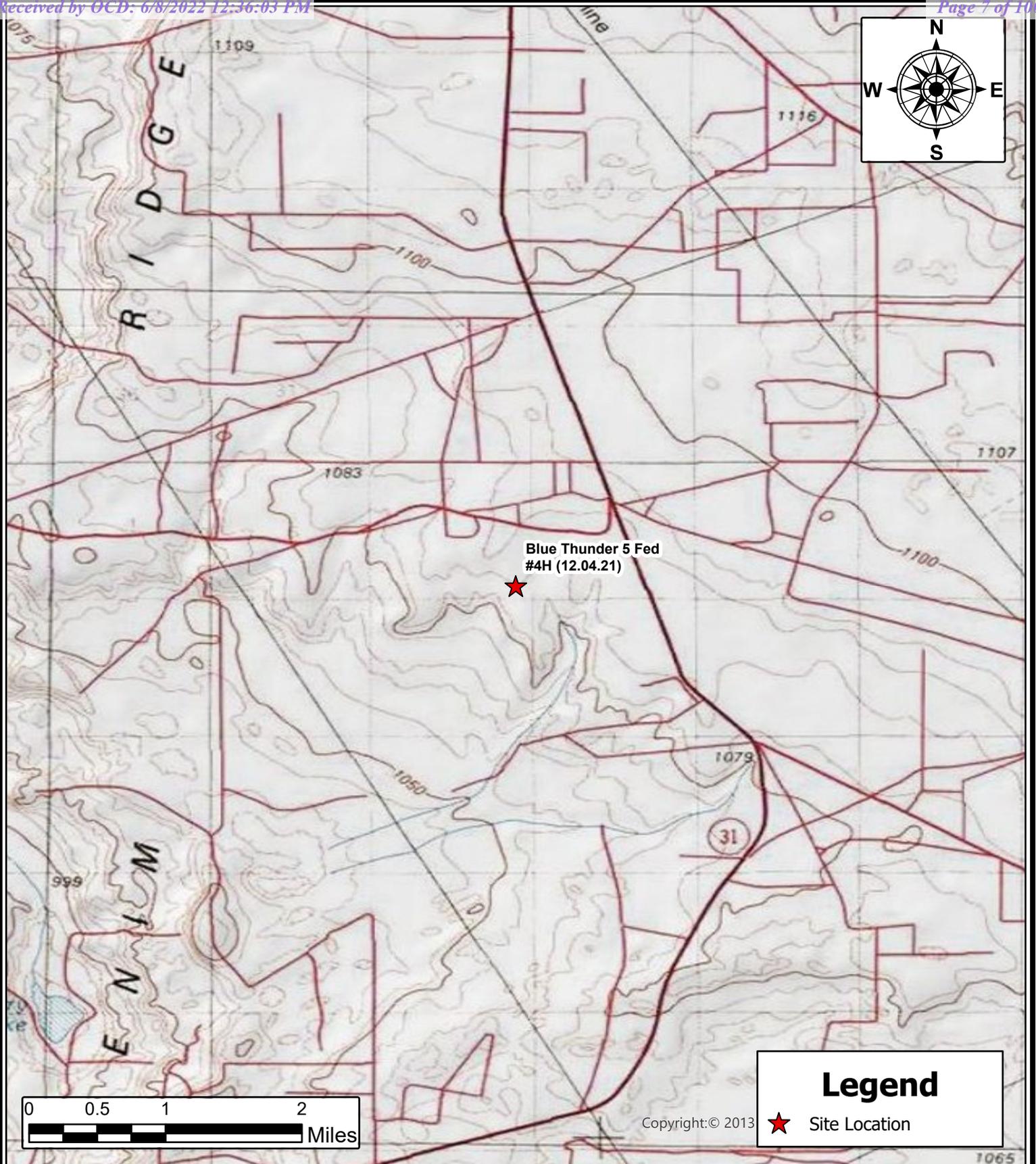
**OVERVIEW MAP
COG OPERATING**
 BLUE THUNDER 5 FED #4H (12.04.21)
 EDDY COUNTY, NEW MEXICO
 32.683565, -103.884622

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

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

DRAWING NUMBER:
FIGURE 1
 SHEET NUMBER:
1 of 1

SCALE: As Shown Date: 3/12/2022



Legend

★ Site Location

Copyright:© 2013

TOPOGRAPHIC MAP
COG OPERATING
 BLUE THUNDER 5 FED #4H (12.04.21)
 EDDY COUNTY, NEW MEXICO
 32.683565, -103.884622

CARMONA RESOURCES 

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

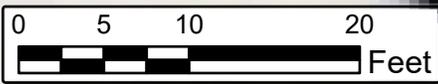
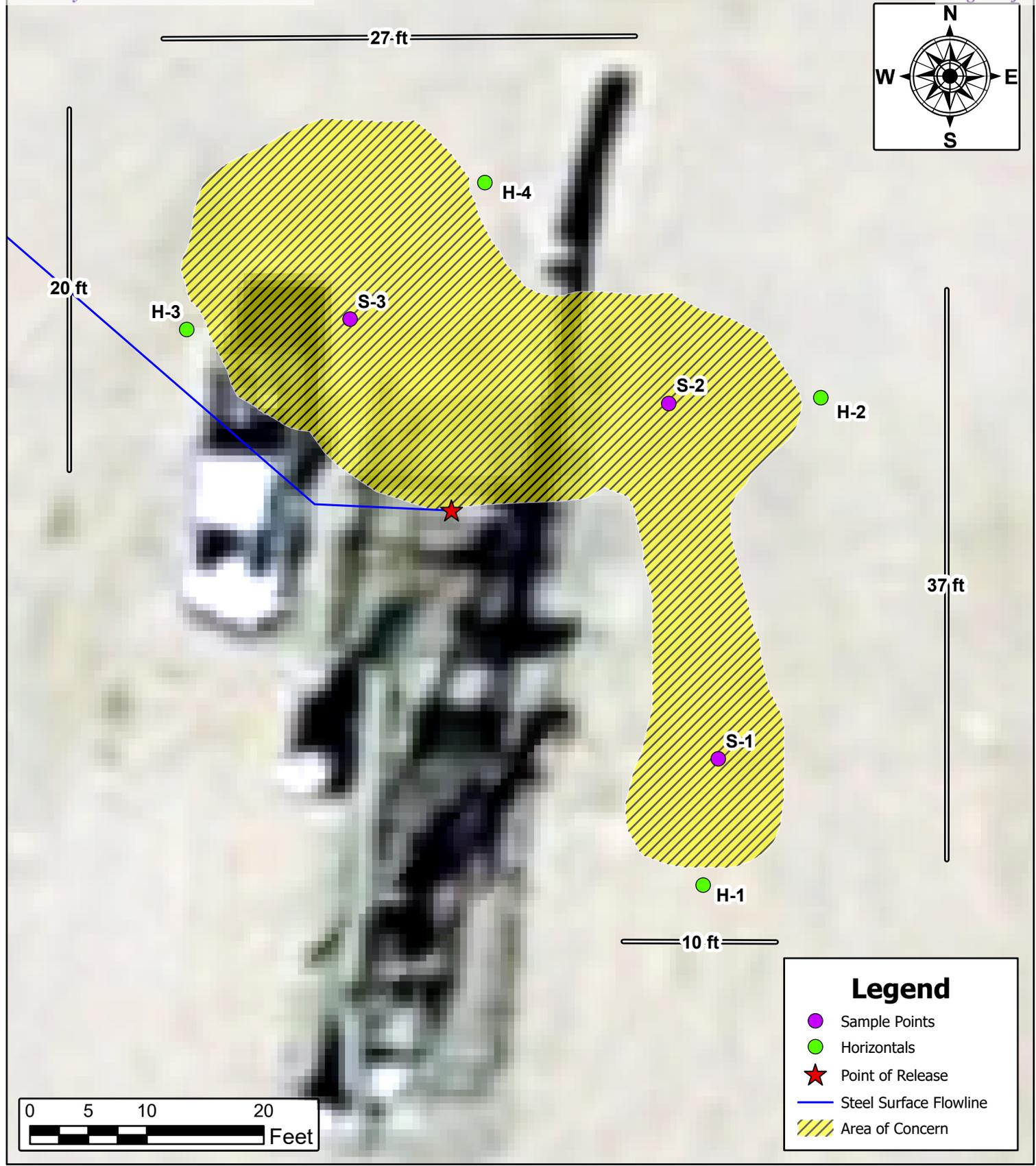
NOTES:

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

DRAWING NUMBER:
FIGURE 2

SHEET NUMBER:
1 of 1

SCALE: As Shown Date: 3/12/2022



Legend

- Sample Points
- Horizontals
- ★ Point of Release
- Steel Surface Flowline
- Area of Concern

SAMPLE LOCATION MAP
COG OPERATING
 BLUE THUNDER 5 FED #4H (12.04.21)
 EDDY COUNTY, NEW MEXICO
 32.683565, -103.884622

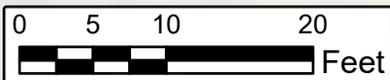
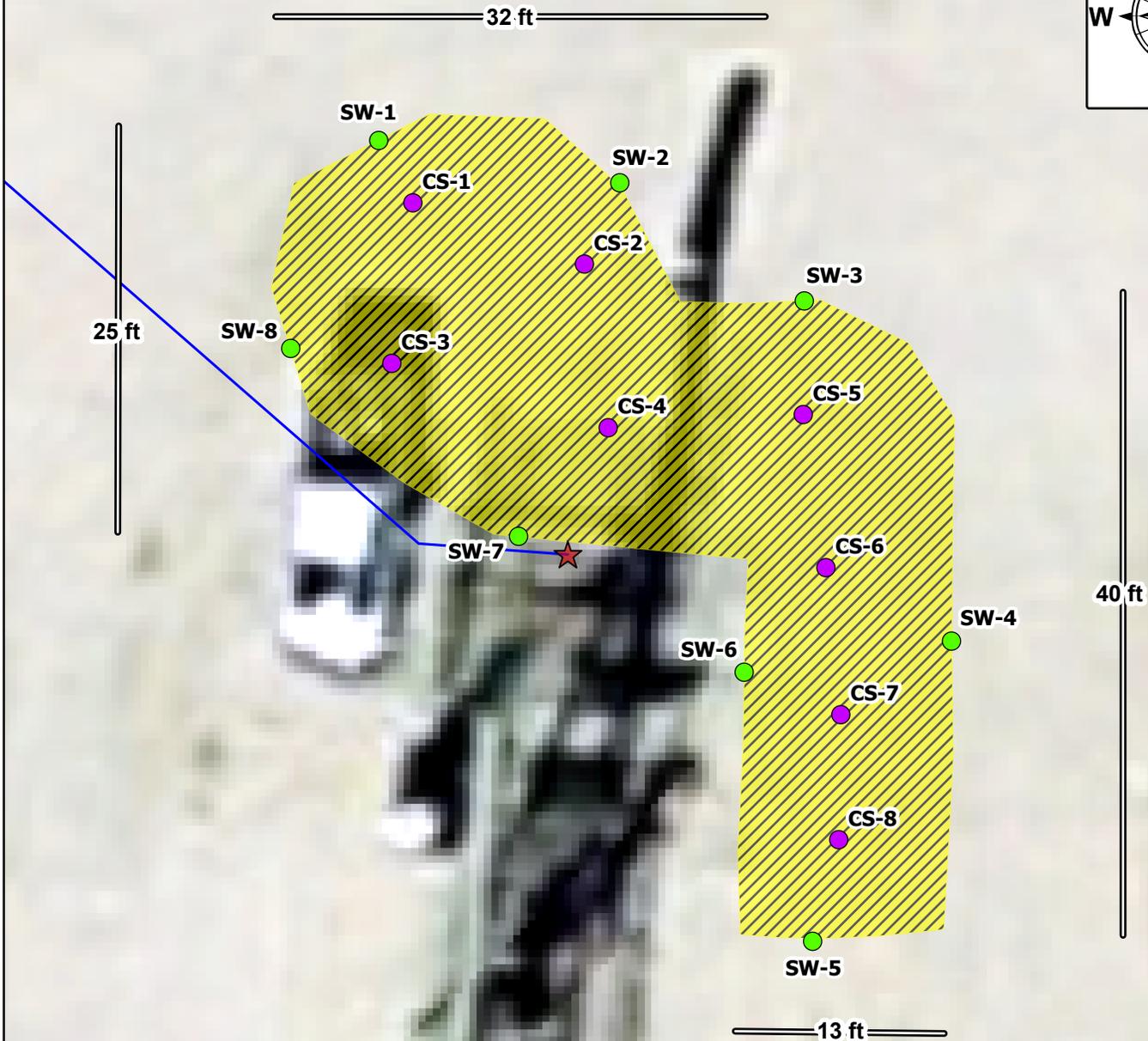
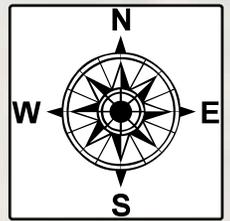

Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

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

DRAWING NUMBER:
FIGURE 3
 SHEET NUMBER:
1 of 1

SCALE: As Shown Date: 3/12/2022



Legend

- Point of Release
- Sidewall Samples
- Confirmation Samples
- Steel Surface Line
- 1.5 ft Excavation

EXCAVATION DEPTH MAP
COG OPERATING
 BLUE THUNDER 5 FED #4H (12.04.21)
 EDDY COUNTY, NEW MEXICO
 32.683565, -103.884622

SCALE: As Shown Date: 3/12/2022


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

NOTES:

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

DRAWING NUMBER:
FIGURE 4

SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Blue Thunder 5 Fed #4H (12.04.21)
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/15/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,630
S-2	12/15/2021	0-0.5'	<49.9	431	<49.9	431	<0.0401	<0.0401	<0.0401	<0.0802	<0.0802	11,900
S-3	12/15/2021	0-0.5'	<50.0	136	<50.0	136	<0.0402	<0.0402	<0.0402	<0.0803	<0.0803	907
H-1	12/15/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	61.3
H-2	12/15/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	56.9
H-3	12/15/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	267
H-4	12/15/2021	0-0.5'	50.1	69.4	<50.0	120	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.2
Regulatory Limits						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

 Removed

Table 2
COG
Blue Thunder 5 Federal No.4 (12.04.21)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/10/2022	1.5	<10.0	14.4	<10.0	14.4	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	3/10/2022	1.5	<10.0	10.2	<10.0	10.2	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-3	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-6	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-7	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-2	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-8	3/10/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<i>Regulatory Criteria</i> ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons
ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Blue Thunder 5 Federal No.4
(12.04.21)

County: Eddy County, New Mexico

Description:
View Southeast, areas of Confirmation samples (1-5)



Photograph No. 2

Facility: Blue Thunder 5 Federal No.4
(12.04.21)

County: Eddy County, New Mexico

Description:
View Southeast, areas of Confirmation samples (1-4)

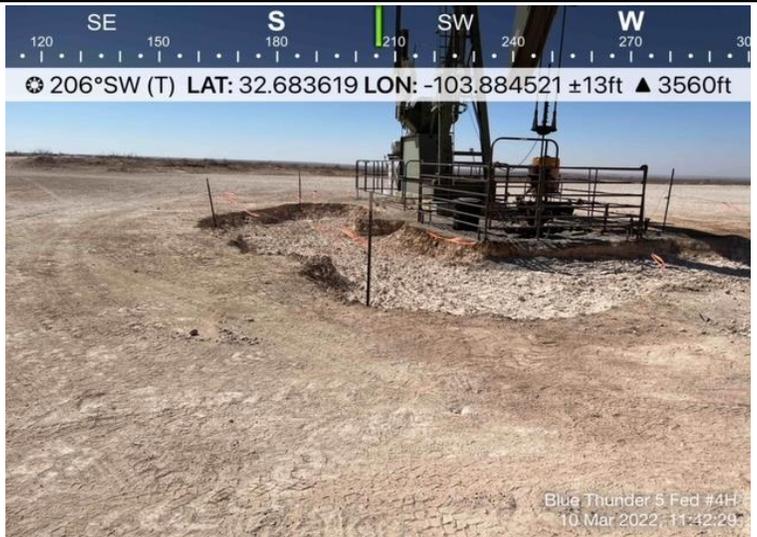


Photograph No. 3

Facility: Blue Thunder 5 Federal No.4
(12.04.21)

County: Eddy County, New Mexico

Description:
View Southeast, areas of Confirmation samples (1-8)



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input 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

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 type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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 _____ Title: _____ Signature: <u></u> _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>01/11/2022</u>

L48 Spill Volume Estimate Form

Page 18 of 100

Received by OCD: 6/8/2022 12:36:03 PM

Asset Area:

NAPP2201126212

Release Discovery Date & Time:

Release Type:

Provide any known details about the event:

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	60.0	15.0	1.00	4	900.000	0.021	3.338	0.001	3.341
Rectangle B	60.0	36.0	1.00	4	2160.000	0.021	8.010	0.001	8.018
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Released to Imaging: 7/13/2022 2:31:45 PM					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Total Volume Release:

11.359

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 71536

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 71536
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	1/11/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input 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

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jaqui Heredia Date: 6/8/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____
 Signature: Jaquie Harris _____ Date: 6/8/2022
 email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

COG Blue Thunder 5 Federal #4 (12.04.21) 48 Hr Sampling Notification



Mike Carmona <Mcarmona@carmonaresources.com>
11:17 AM

To: OCD.Enviro@state.nm.us Cc: Harris, Jacqui; Clint Merritt Bcc: Conner Moehring

Good morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 03/10/2022 at 10:20 a.m. Mountain Time. Please let me know if you have any questions.

COG Blue Thunder 5 Federal #4 (12.04.21)
Sec 5 T19S R31E
32.683391 -103.884585
Eddy County, New Mexico

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com



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RE: Incident #NAPP2201126212

Brittany,

Your request for an extension to **June 4th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Sent: Tuesday, March 8, 2022 8:31 AM
To: CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Gonzalez, Jessika L <Jessika.L.Gonzalez@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>; Harris, Jacqui <Jacqui.Harris@conocophillips.com>; Fejervary Morena, Gustavo A <G.Fejervary@conocophillips.com>
Subject: [EXTERNAL] (Extension Request #1) Blue Thunder 5 Federal 004H (NAPP2201126212) 12-04-2021

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To Whom it May Concern,

Under the new spill rule a Work Plan or Closure Report is due for the above release on March 4, 2022. ConocoPhillips is requesting a three-month extension until June 4, 2022 in order to complete ongoing remediation.

Please let me know if you have any questions or concerns.

Thank you,
Brittany N. Esparza
Brittany N. Esparza | Environmental Technician, Permian | **ConocoPhillips**
O: 432-221-0398 | C: 432-349-1911 | 1CC-331 Midland, Texas

APPENDIX D

CARMONA RESOURCES



Nearest water wells

COG Operating

Legend

-  0.50 Mile Radius
-  2.51 Miles
-  2.85 Miles
-  USGS Water Well
-  Blue Thunder 5 Fed #4H (12.04.21)
-  NMSEO Water Well



Blue Thunder 5 Fed #4H (12.04.21)

260.67' - Drilled 1994

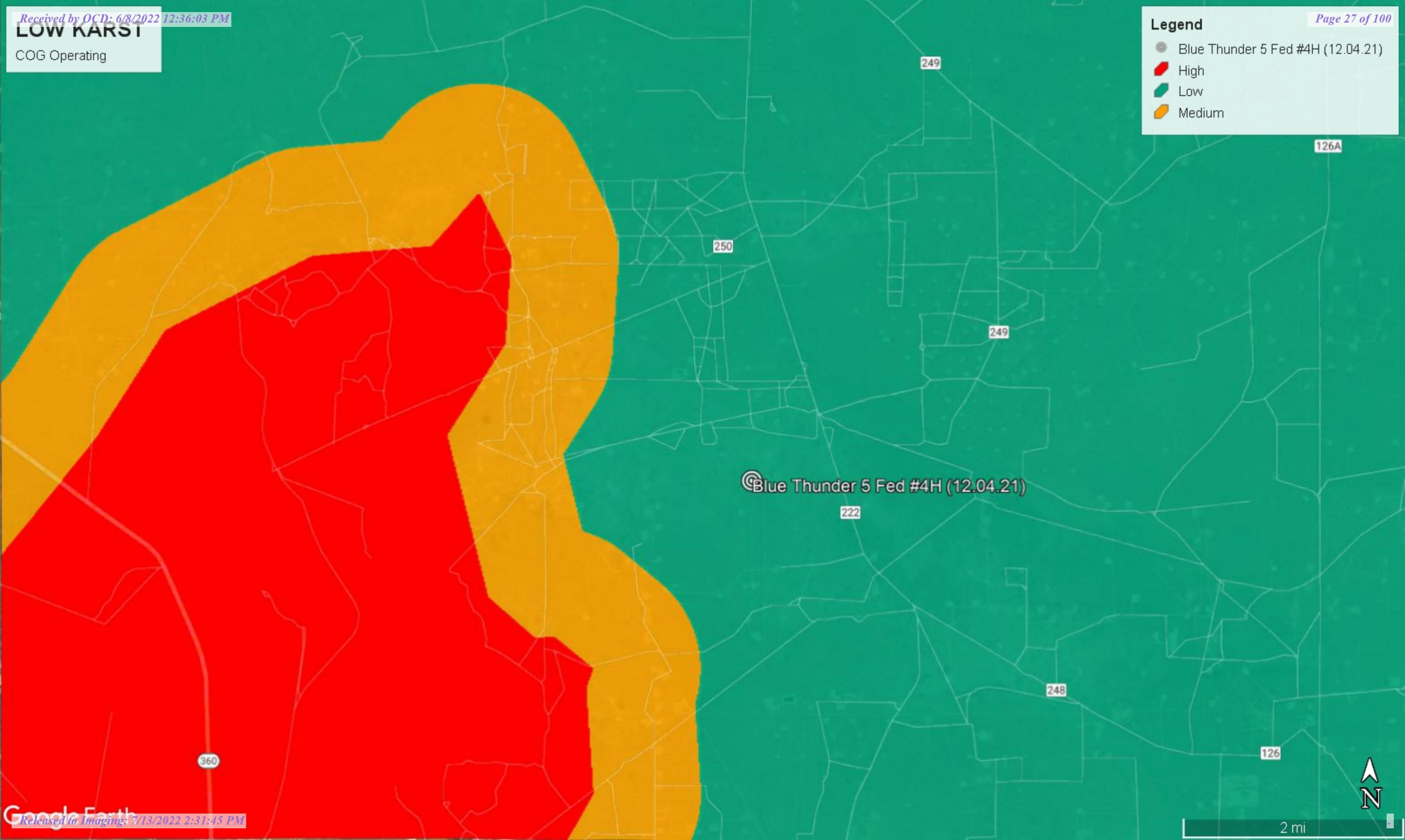
180' - Drilled 1998

LOW KARST

COG Operating

Legend

-  Blue Thunder 5 Fed #4H (12.04.21)
-  High
-  Low
-  Medium





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

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

(R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00641 POD1	CP	ED		4	1	36	19S	31E		610247	3609634*	300	130	170
CP 00642 POD1	CP	ED		2	2	25	19S	31E		611025	3611657*	250		
CP 00722 POD1	CP	LE		4	3	3	28	19S	31E	605106	3610273*	200		
CP 00722 POD1	R CP	LE		4	3	3	28	19S	31E	605106	3610273*	200		
CP 00722 POD3	CP	LE		2	4	1	33	19S	31E	605519	3609673*	220	140	80
CP 00723 POD1	CP	ED		2	1	1	33	19S	31E	605111	3610071*	139		
CP 00725 POD1	CP	ED		1	3	3	28	19S	31E	604906	3610473*	231		
CP 00829 POD1	CP	LE			2	4	16	19S	31E	606165	3614009*	120		
CP 00873 POD1	CP	LE			1	1	19	19S	31E	601772	3613147*	340	180	160
CP 01554 POD1	CP	LE		2	2	1	22	19S	31E	607166	3613354	400		
CP 01554 POD2	CP	LE		2	2	1	22	19S	31E	607165	3613322	400		
CP 01864 POD1	CP	ED		4	2	1	34	19S	31E	607068	3609824	110		

Average Depth to Water: **150 feet**
 Minimum Depth: **130 feet**
 Maximum Depth: **180 feet**

Record Count: 12

PLSS Search:

Township: 19S Range: 31E

*UTM location was derived from PLSS - see Help

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



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

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

Groundwater levels for New Mexico

Click to hide state-specific text

I Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 324159103503801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324159103503801 18S.31E.35.31324

Eddy County, New Mexico
 Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83
 Land-surface elevation 3,630 feet above NAVD88
 The depth of the well is 300 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1971-04-05			D 62610		3367.36	NGVD29	1		Z	
1971-04-05			D 62611		3368.92	NAVD88	1		Z	
1971-04-05			D 72019	261.08			1		Z	
1976-05-27			D 62610		3367.91	NGVD29	1		Z	
1976-05-27			D 62611		3369.47	NAVD88	1		Z	
1976-05-27			D 72019	260.53			1		Z	
1983-04-11			D 62610		3367.94	NGVD29	1		Z	
1983-04-11			D 62611		3369.50	NAVD88	1		Z	
1983-04-11			D 72019	260.50			1		Z	
1987-01-26			D 62610		3367.44	NGVD29	1		S	
1987-01-26			D 62611		3369.00	NAVD88	1		S	
1987-01-26			D 72019	261.00			1		S	
1994-03-17			D 62610		3367.77	NGVD29	1		S	
1994-03-17			D 62611		3369.33	NAVD88	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1994-03-17			D	72019	260.67		1	S		

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-03-11 16:33:42 EST

0.34 0.3 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
	CP 00873 POD1	1 1 19	19S	31E	601772	3613147*	

Driller License: 421	Driller Company: GLENN'S WATER WELL SERVICE	
Driller Name: GLENN, CLARK A."CORKY"		
Drill Start Date: 01/02/1998	Drill Finish Date: 01/05/1998	Plug Date:
Log File Date: 01/15/1998	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 50 GPM
Casing Size: 6.62	Depth Well: 340 feet	Depth Water: 180 feet

Water Bearing Stratifications:	Top	Bottom	Description
	240	320	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	226	340

Meter Number: 805	Meter Make: MASTER
Meter Serial Number: 1748543	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/1999	1999	37400	A	fm		0
01/15/1999	1999	43541	A	fm		1.885
04/27/2000	2000	14849	R	jw	Meter Rollover	298.083
07/31/2000	2000	24399	A	jw		2.931

**YTD Meter Amounts:	Year	Amount
	1999	1.885
	2000	301.014

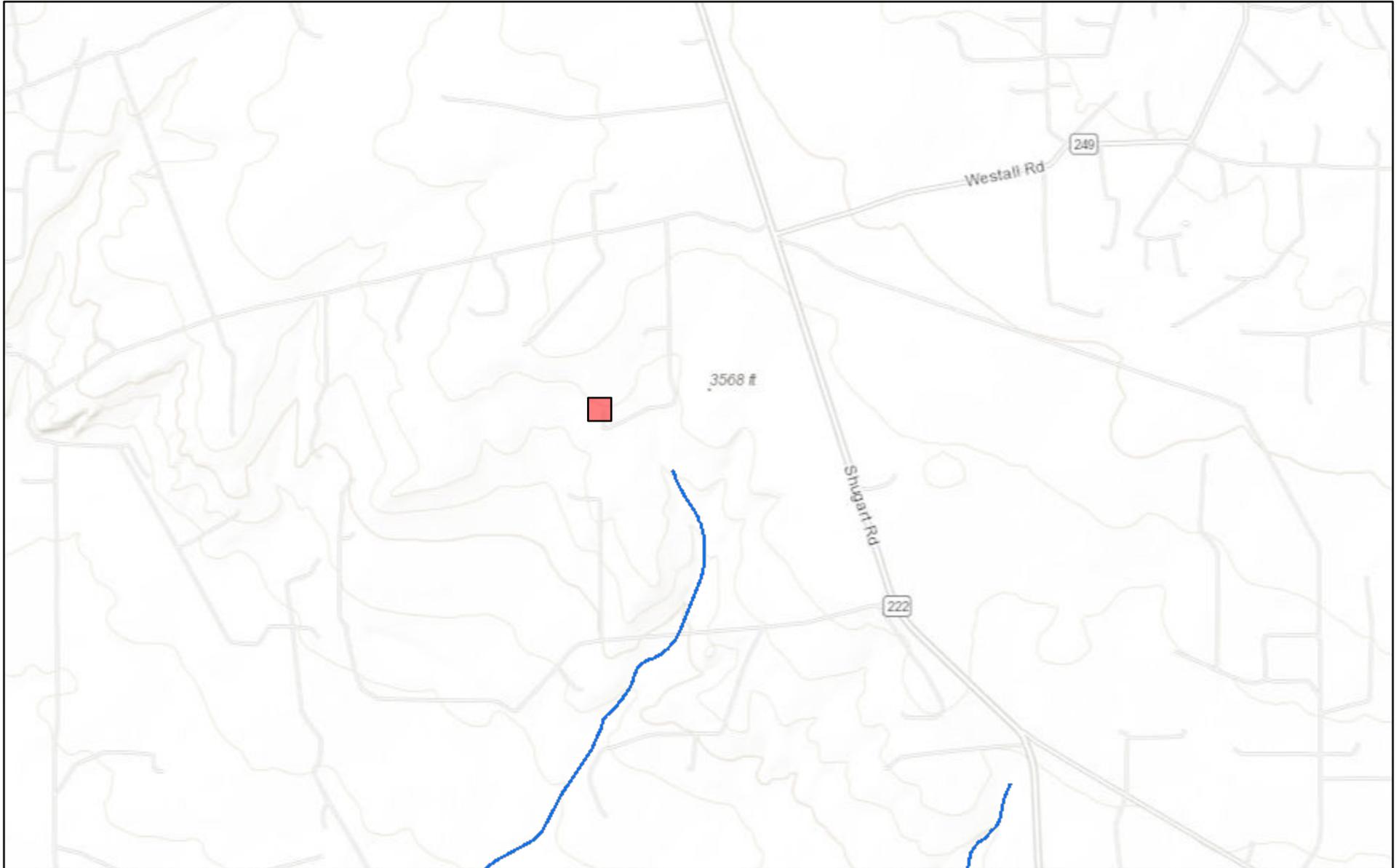
*UTM location was derived from PLSS - see Help

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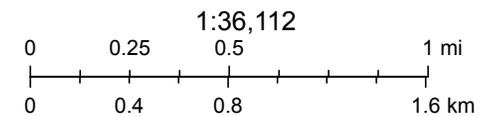
3/11/22 2:22 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



March 11, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES





Environment Testing
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ANALYTICAL REPORT

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

Laboratory Job ID: 880-9412-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:
12/21/2021 6:26:13 PM

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



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

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

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Laboratory Job ID: 880-9412-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

Eurofins Xenco, Midland

Case Narrative

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

Job ID: 880-9412-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-9412-1

Receipt

The samples were received on 12/16/2021 10:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

Method 8021B: The following samples were diluted due to the nature of the sample matrix: S-2 (0-0.5) (880-9412-2) and S-3 (0-0.5) (880-9412-3) at 20.0 and 20.0. Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8015MOD_NM: These samples were biased high in the diesel range and will be reanalyzed to confirm the detection, however since it appears it was the prep of the CCV and not the instrument causing the high reading the data will be qualified and reported currently. S-2 (0-0.5) (880-9412-2) and S-3 (0-0.5) (880-9412-3)

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14941 and analytical batch 880-15074 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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



Client Sample Results

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)Job ID: 880-9412-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-0.5)

Lab Sample ID: 880-9412-1

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/16/21 17:00	12/17/21 07:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/16/21 17:00	12/17/21 07:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/16/21 17:00	12/17/21 07:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		12/16/21 17:00	12/17/21 07:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/16/21 17:00	12/17/21 07:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		12/16/21 17:00	12/17/21 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	12/16/21 17:00	12/17/21 07:45	1
1,4-Difluorobenzene (Surr)	119		70 - 130	12/16/21 17:00	12/17/21 07:45	1

Method: 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			12/17/21 08:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/21/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 20:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	12/16/21 14:25	12/20/21 20:01	1
o-Terphenyl	115		70 - 130	12/16/21 14:25	12/20/21 20:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		24.8		mg/Kg			12/19/21 23:50	5

Client Sample ID: S-2 (0-0.5)

Lab Sample ID: 880-9412-2

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0401	U	0.0401		mg/Kg		12/16/21 17:00	12/17/21 08:30	20
Toluene	<0.0401	U	0.0401		mg/Kg		12/16/21 17:00	12/17/21 08:30	20
Ethylbenzene	<0.0401	U	0.0401		mg/Kg		12/16/21 17:00	12/17/21 08:30	20
m-Xylene & p-Xylene	<0.0802	U	0.0802		mg/Kg		12/16/21 17:00	12/17/21 08:30	20
o-Xylene	<0.0401	U	0.0401		mg/Kg		12/16/21 17:00	12/17/21 08:30	20
Xylenes, Total	<0.0802	U	0.0802		mg/Kg		12/16/21 17:00	12/17/21 08:30	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/16/21 17:00	12/17/21 08:30	20
1,4-Difluorobenzene (Surr)	99		70 - 130	12/16/21 17:00	12/17/21 08:30	20

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)Job ID: 880-9412-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-0.5)

Lab Sample ID: 880-9412-2

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:14

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0802	U	0.0802		mg/Kg			12/17/21 08:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	431		49.9		mg/Kg			12/21/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 20:21	1
Diesel Range Organics (Over C10-C28)	431		49.9		mg/Kg		12/16/21 14:25	12/20/21 20:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/16/21 14:25	12/20/21 20:21	1
o-Terphenyl	125		70 - 130				12/16/21 14:25	12/20/21 20:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11900		49.5		mg/Kg			12/19/21 23:57	10

Client Sample ID: S-3 (0-0.5)

Lab Sample ID: 880-9412-3

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		12/16/21 17:00	12/17/21 08:50	20
Toluene	<0.0402	U	0.0402		mg/Kg		12/16/21 17:00	12/17/21 08:50	20
Ethylbenzene	<0.0402	U	0.0402		mg/Kg		12/16/21 17:00	12/17/21 08:50	20
m-Xylene & p-Xylene	<0.0803	U	0.0803		mg/Kg		12/16/21 17:00	12/17/21 08:50	20
o-Xylene	<0.0402	U	0.0402		mg/Kg		12/16/21 17:00	12/17/21 08:50	20
Xylenes, Total	<0.0803	U	0.0803		mg/Kg		12/16/21 17:00	12/17/21 08:50	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/16/21 17:00	12/17/21 08:50	20
1,4-Difluorobenzene (Surr)	98		70 - 130				12/16/21 17:00	12/17/21 08:50	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0803	U	0.0803		mg/Kg			12/17/21 08:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	136		50.0		mg/Kg			12/21/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 20:42	1
Diesel Range Organics (Over C10-C28)	136		50.0		mg/Kg		12/16/21 14:25	12/20/21 20:42	1

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Client Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

Client Sample ID: S-3 (0-0.5)

Lab Sample ID: 880-9412-3

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:14

Method: 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		12/16/21 14:25	12/20/21 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/16/21 14:25	12/20/21 20:42	1
o-Terphenyl	119		70 - 130				12/16/21 14:25	12/20/21 20:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	907		4.99		mg/Kg			12/20/21 00:03	1

Surrogate Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-9412-1	S-1 (0-0.5)	140 S1+	119
880-9412-2	S-2 (0-0.5)	106	99
880-9412-3	S-3 (0-0.5)	111	98
880-9414-A-21-A MS	Matrix Spike	109	94
880-9414-A-21-B MSD	Matrix Spike Duplicate	111	98
LCS 880-14828/1-A	Lab Control Sample	109	97
LCS 880-14936/1-A	Lab Control Sample	110	97
LCSD 880-14828/2-A	Lab Control Sample Dup	113	97
LCSD 880-14936/2-A	Lab Control Sample Dup	114	96
MB 880-14828/5-A	Method Blank	118	91
MB 880-14936/5-A	Method Blank	122	103

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)
880-9412-1	S-1 (0-0.5)	112	115
880-9412-2	S-2 (0-0.5)	120	125
880-9412-3	S-3 (0-0.5)	113	119
880-9414-A-44-C MS	Matrix Spike	100	100
880-9414-A-44-D MSD	Matrix Spike Duplicate	108	104
LCS 880-14975/2-A	Lab Control Sample	123	117
LCSD 880-14975/3-A	Lab Control Sample Dup	121	121
MB 880-14975/1-A	Method Blank	135 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14828/5-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14828

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/21 07:30	12/16/21 23:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/21 07:30	12/16/21 23:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/21 07:30	12/16/21 23:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/21 07:30	12/16/21 23:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/21 07:30	12/16/21 23:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/21 07:30	12/16/21 23:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/16/21 07:30	12/16/21 23:59	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/16/21 07:30	12/16/21 23:59	1

Lab Sample ID: LCS 880-14828/1-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08235		mg/Kg		82	70 - 130
Toluene	0.100	0.08528		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09015		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08404		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-14828/2-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 14828

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09047		mg/Kg		90	70 - 130	9	35
Toluene	0.100	0.09010		mg/Kg		90	70 - 130	5	35
Ethylbenzene	0.100	0.09684		mg/Kg		97	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1843		mg/Kg		92	70 - 130	5	35
o-Xylene	0.100	0.09226		mg/Kg		92	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-14936/5-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:00	12/16/21 10:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:00	12/16/21 10:46	1

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-14936/5-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:00	12/16/21 10:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/21 10:00	12/16/21 10:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:00	12/16/21 10:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/21 10:00	12/16/21 10:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/16/21 10:00	12/16/21 10:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/16/21 10:00	12/16/21 10:46	1

Lab Sample ID: LCS 880-14936/1-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08538		mg/Kg		85	70 - 130
Toluene	0.100	0.09109		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09631		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1884		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09197		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-14936/2-A
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08995		mg/Kg		90	70 - 130	5	35
Toluene	0.100	0.09202		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.1005		mg/Kg		101	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1895		mg/Kg		95	70 - 130	1	35
o-Xylene	0.100	0.09398		mg/Kg		94	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-9414-A-21-A MS
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.0998	0.08864		mg/Kg		89	70 - 130
Toluene	0.00399		0.0998	0.09438		mg/Kg		91	70 - 130
Ethylbenzene	0.00998		0.0998	0.1035		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.00472		0.200	0.1976		mg/Kg		97	70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-9414-A-21-A MS
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
o-Xylene	0.00443		0.0998	0.09421		mg/Kg		90	70 - 130	
Surrogate	%Recovery	MS Qualifier	MS Limits							
4-Bromofluorobenzene (Surr)	109		70 - 130							
1,4-Difluorobenzene (Surr)	94		70 - 130							

Lab Sample ID: 880-9414-A-21-B MSD
 Matrix: Solid
 Analysis Batch: 14891

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 14936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00202	U	0.0994	0.08911		mg/Kg		90	70 - 130	1	35
Toluene	0.00399		0.0994	0.09062		mg/Kg		87	70 - 130	4	35
Ethylbenzene	0.00998		0.0994	0.09812		mg/Kg		89	70 - 130	5	35
m-Xylene & p-Xylene	0.00472		0.199	0.1900		mg/Kg		93	70 - 130	4	35
o-Xylene	0.00443		0.0994	0.09286		mg/Kg		89	70 - 130	1	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	111		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

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

Lab Sample ID: MB 880-14975/1-A
 Matrix: Solid
 Analysis Batch: 15160

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 12:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 12:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 12:33	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				12/16/21 14:25	12/20/21 12:33	1
o-Terphenyl	144	S1+	70 - 130				12/16/21 14:25	12/20/21 12:33	1

Lab Sample ID: LCS 880-14975/2-A
 Matrix: Solid
 Analysis Batch: 15160

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1158		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1102		mg/Kg		110	70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-14975/2-A
Matrix: Solid
Analysis Batch: 15160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14975

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-14975/3-A
Matrix: Solid
Analysis Batch: 15160

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 14975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1291		mg/Kg		129	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1102		mg/Kg		110	70 - 130	0	20

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

Lab Sample ID: 880-9414-A-44-C MS
Matrix: Solid
Analysis Batch: 15160

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 14975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1260		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	974.5		mg/Kg		93	70 - 130

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

Lab Sample ID: 880-9414-A-44-D MSD
Matrix: Solid
Analysis Batch: 15160

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 14975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	1278		mg/Kg		123	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	1047		mg/Kg		101	70 - 130	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	104		70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14941/1-A
Matrix: Solid
Analysis Batch: 15074

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/21 22:24	1

Lab Sample ID: LCS 880-14941/2-A
Matrix: Solid
Analysis Batch: 15074

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	263.7		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-14941/3-A
Matrix: Solid
Analysis Batch: 15074

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	268.8		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-9410-A-1-F MS
Matrix: Solid
Analysis Batch: 15074

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	803	F1	1250	2234	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-9410-A-1-G MSD
Matrix: Solid
Analysis Batch: 15074

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	803	F1	1250	2252	F1	mg/Kg		116	90 - 110	1	20

Lab Sample ID: 880-9413-A-2-C MS
Matrix: Solid
Analysis Batch: 15074

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	56.9		248	324.3		mg/Kg		108	90 - 110

Lab Sample ID: 880-9413-A-2-D MSD
Matrix: Solid
Analysis Batch: 15074

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	56.9		248	327.9		mg/Kg		109	90 - 110	1	20

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QC Association Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)Job ID: 880-9412-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 14828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Total/NA	Solid	5035	
880-9412-2	S-2 (0-0.5)	Total/NA	Solid	5035	
880-9412-3	S-3 (0-0.5)	Total/NA	Solid	5035	
MB 880-14828/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14828/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14828/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 14891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Total/NA	Solid	8021B	14828
880-9412-2	S-2 (0-0.5)	Total/NA	Solid	8021B	14828
880-9412-3	S-3 (0-0.5)	Total/NA	Solid	8021B	14828
MB 880-14828/5-A	Method Blank	Total/NA	Solid	8021B	14828
MB 880-14936/5-A	Method Blank	Total/NA	Solid	8021B	14936
LCS 880-14828/1-A	Lab Control Sample	Total/NA	Solid	8021B	14828
LCS 880-14936/1-A	Lab Control Sample	Total/NA	Solid	8021B	14936
LCSD 880-14828/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14828
LCSD 880-14936/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14936
880-9414-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	14936
880-9414-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	14936

Prep Batch: 14936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14936/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14936/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14936/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9414-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
880-9414-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Total/NA	Solid	Total BTEX	
880-9412-2	S-2 (0-0.5)	Total/NA	Solid	Total BTEX	
880-9412-3	S-3 (0-0.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 14975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-9412-2	S-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-9412-3	S-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-14975/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14975/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9414-A-44-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9414-A-44-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Total/NA	Solid	8015B NM	14975

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 15160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-2	S-2 (0-0.5)	Total/NA	Solid	8015B NM	14975
880-9412-3	S-3 (0-0.5)	Total/NA	Solid	8015B NM	14975
MB 880-14975/1-A	Method Blank	Total/NA	Solid	8015B NM	14975
LCS 880-14975/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14975
LCSD 880-14975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14975
880-9414-A-44-C MS	Matrix Spike	Total/NA	Solid	8015B NM	14975
880-9414-A-44-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14975

Analysis Batch: 15253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Total/NA	Solid	8015 NM	
880-9412-2	S-2 (0-0.5)	Total/NA	Solid	8015 NM	
880-9412-3	S-3 (0-0.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Soluble	Solid	DI Leach	
880-9412-2	S-2 (0-0.5)	Soluble	Solid	DI Leach	
880-9412-3	S-3 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-14941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9410-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9410-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-9413-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9413-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 15074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9412-1	S-1 (0-0.5)	Soluble	Solid	300.0	14941
880-9412-2	S-2 (0-0.5)	Soluble	Solid	300.0	14941
880-9412-3	S-3 (0-0.5)	Soluble	Solid	300.0	14941
MB 880-14941/1-A	Method Blank	Soluble	Solid	300.0	14941
LCS 880-14941/2-A	Lab Control Sample	Soluble	Solid	300.0	14941
LCSD 880-14941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14941
880-9410-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	14941
880-9410-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14941
880-9413-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	14941
880-9413-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14941

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-0.5)

Date Collected: 12/15/21 00:00

Date Received: 12/16/21 10:14

Lab Sample ID: 880-9412-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	14828	12/16/21 17:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14891	12/17/21 07:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15026	12/17/21 08:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15253	12/21/21 13:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14975	12/16/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15160	12/20/21 20:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5			15074	12/19/21 23:50	CH	XEN MID

Client Sample ID: S-2 (0-0.5)

Date Collected: 12/15/21 00:00

Date Received: 12/16/21 10:14

Lab Sample ID: 880-9412-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	14828	12/16/21 17:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	14891	12/17/21 08:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15026	12/17/21 08:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15253	12/21/21 13:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14975	12/16/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15160	12/20/21 20:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		10			15074	12/19/21 23:57	CH	XEN MID

Client Sample ID: S-3 (0-0.5)

Date Collected: 12/15/21 00:00

Date Received: 12/16/21 10:14

Lab Sample ID: 880-9412-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	14828	12/16/21 17:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	14891	12/17/21 08:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15026	12/17/21 08:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15253	12/21/21 13:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14975	12/16/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15160	12/20/21 20:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1			15074	12/20/21 00:03	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

- 1
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Method Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9412-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9412-1	S-1 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:14
880-9412-2	S-2 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:14
880-9412-3	S-3 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:14

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Chain of Custody

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Project Manager: Mike Carmora
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd
 City, State ZIP: Midland, TX 79706
 Phone: 432-813-0263
 Project Name: Blue Thunder 5 Fed #4H (12 04 21)
 Project Number: 214974
 Project Location: Eddy Co. NM
 Sampler's Name: NH
 P.O.#:
 Turn Around: Routine Rush
 Due Date: 72 Hrs
 TAT starts the day received by the lab if received by 4:30pm
 Bill to: (if different) Jacquie Harris
 Company Name: COG
 Address: 15 W Lovring Rd
 City, State ZIP: Lovring NM 88256
 Email: jacqui.harris@conocophillips.com

Work Order Comments: PRP Brownfields RRC Superfund
 Program: UST/PST PRP Brownfields RRC Superfund
 State of Project:
 Reporting Level II Level III PST/UST TRRP Level IV
 Deliverables EDD ADAPT Other

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	
S-1 (0-0.5')	12/15/2021	-	X	-	G	1	X	X	X	HOLD
S-2 (0-0.5')	12/15/2021	-	X	-	G	1	X	X	X	
S-3 (0-0.5')	12/15/2021	-	X	-	G	1	X	X	X	

Additional Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	<i>[Signature]</i>	12/16/21			
3	<i>[Signature]</i>	10:00			



880-9412 Chain of Custody

Page 1 of 1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9412-1
SDG Number: Eddy Co, NM

Login Number: 9412
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, 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
America

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-9413-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:
12/21/2021 3:08:36 PM

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



LINKS

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

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

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Laboratory Job ID: 880-9413-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

Case Narrative

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

Job ID: 880-9413-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-9413-1

Receipt

The samples were received on 12/16/2021 10:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-4 (0-0.5) (880-9413-4), (MB 880-14907/8), (MB 880-14933/5-A) and (880-9411-A-1-D 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.

GC Semi VOA

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

HPLC/IC

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

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Client Sample Results

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9413-1

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/16/21 10:37	12/17/21 02:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/16/21 10:37	12/17/21 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/16/21 10:37	12/17/21 02:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/16/21 10:37	12/17/21 02:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/17/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/21/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 21:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 21:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	12/16/21 14:25	12/20/21 21:04	1
o-Terphenyl	112		70 - 130	12/16/21 14:25	12/20/21 21:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		4.98		mg/Kg			12/20/21 00:10	1

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

Lab Sample ID: 880-9413-2

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/16/21 10:37	12/17/21 02:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/16/21 10:37	12/17/21 02:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/16/21 10:37	12/17/21 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	12/16/21 10:37	12/17/21 02:34	1
1,4-Difluorobenzene (Surr)	72		70 - 130	12/16/21 10:37	12/17/21 02:34	1

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Client Sample Results

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9413-2

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/17/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/21/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 21:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 21:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 14:25	12/20/21 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/16/21 14:25	12/20/21 21:25	1
o-Terphenyl	112		70 - 130				12/16/21 14:25	12/20/21 21:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.9		4.96		mg/Kg			12/20/21 00:17	1

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

Lab Sample ID: 880-9413-3

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 03:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 03:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 03:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/16/21 10:37	12/17/21 03:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/16/21 10:37	12/17/21 03:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/16/21 10:37	12/17/21 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/16/21 10:37	12/17/21 03:01	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/16/21 10:37	12/17/21 03:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/17/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/21/21 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 21:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 21:47	1

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Client Sample Results

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9413-3

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/21 14:25	12/20/21 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/16/21 14:25	12/20/21 21:47	1
o-Terphenyl	110		70 - 130				12/16/21 14:25	12/20/21 21:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		25.0		mg/Kg			12/20/21 00:37	5

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

Lab Sample ID: 880-9413-4

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/17/21 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/17/21 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/17/21 03:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/16/21 10:37	12/17/21 03:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/17/21 03:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/16/21 10:37	12/17/21 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130				12/16/21 10:37	12/17/21 03:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/16/21 10:37	12/17/21 03:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/17/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	120		50.0		mg/Kg			12/21/21 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	50.1		50.0		mg/Kg		12/16/21 12:00	12/16/21 12:46	1
Diesel Range Organics (Over C10-C28)	69.4		50.0		mg/Kg		12/16/21 12:00	12/16/21 12:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 12:00	12/16/21 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/16/21 12:00	12/16/21 12:46	1
o-Terphenyl	105		70 - 130				12/16/21 12:00	12/16/21 12:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.2		4.98		mg/Kg			12/19/21 14:57	1

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Surrogate Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

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)
880-9411-A-1-C MS	Matrix Spike	82	85
880-9411-A-1-D MSD	Matrix Spike Duplicate	68 S1-	89
880-9413-1	H-1 (0-0.5)	111	91
880-9413-2	H-2 (0-0.5)	73	72
880-9413-3	H-3 (0-0.5)	105	93
880-9413-4	H-4 (0-0.5)	193 S1+	102
LCS 880-14933/1-A	Lab Control Sample	95	100
LCSD 880-14933/2-A	Lab Control Sample Dup	97	102
MB 880-14907/8	Method Blank	56 S1-	85
MB 880-14933/5-A	Method Blank	65 S1-	86

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-9101-A-1-E MS	Matrix Spike	78	84
880-9101-A-1-F MSD	Matrix Spike Duplicate	75	81
880-9413-1	H-1 (0-0.5)	103	112
880-9413-2	H-2 (0-0.5)	102	112
880-9413-3	H-3 (0-0.5)	100	110
880-9413-4	H-4 (0-0.5)	90	105
880-9414-A-44-C MS	Matrix Spike	100	100
880-9414-A-44-D MSD	Matrix Spike Duplicate	108	104
LCS 880-14906/2-A	Lab Control Sample	94	104
LCS 880-14975/2-A	Lab Control Sample	123	117
LCSD 880-14906/3-A	Lab Control Sample Dup	94	101
LCSD 880-14975/3-A	Lab Control Sample Dup	121	121
MB 880-14906/1-A	Method Blank	102	129
MB 880-14975/1-A	Method Blank	135 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14907/8
 Matrix: Solid
 Analysis Batch: 14907

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
Toluene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			12/16/21 12:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			12/16/21 12:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			12/16/21 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130					12/16/21 12:24	1
1,4-Difluorobenzene (Surr)	85		70 - 130					12/16/21 12:24	1

Lab Sample ID: MB 880-14933/5-A
 Matrix: Solid
 Analysis Batch: 14907

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14933

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/16/21 10:37	12/16/21 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130				12/16/21 10:37	12/16/21 22:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/16/21 10:37	12/16/21 22:59	1

Lab Sample ID: LCS 880-14933/1-A
 Matrix: Solid
 Analysis Batch: 14907

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09637		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.08715		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09329		mg/Kg		93	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		70 - 130				
1,4-Difluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 880-14933/2-A
 Matrix: Solid
 Analysis Batch: 14907

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 14933

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1065		mg/Kg		106	70 - 130	5	35

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-14933/2-A
 Matrix: Solid
 Analysis Batch: 14907

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 14933

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1039		mg/Kg		104	70 - 130	8	35	
Ethylbenzene	0.100	0.09500		mg/Kg		95	70 - 130	9	35	
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg		95	70 - 130	8	35	
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	8	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	97		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							

Lab Sample ID: 880-9411-A-1-C MS
 Matrix: Solid
 Analysis Batch: 14907

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 14933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00199	U F1	0.0998	0.03227	F1	mg/Kg		32	70 - 130			
Toluene	<0.00199	U F1	0.0998	0.02914	F1	mg/Kg		29	70 - 130			
Ethylbenzene	<0.00199	U F1	0.0998	0.02900	F1	mg/Kg		29	70 - 130			
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.05736	F1	mg/Kg		29	70 - 130			
o-Xylene	<0.00199	U F1	0.0998	0.03736	F1	mg/Kg		37	70 - 130			
		MS	MS									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	82		70 - 130									
1,4-Difluorobenzene (Surr)	85		70 - 130									

Lab Sample ID: 880-9411-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 14907

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 14933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00199	U F1	0.0994	0.03001	F1	mg/Kg		30	70 - 130	7	35	
Toluene	<0.00199	U F1	0.0994	0.02330	F1	mg/Kg		23	70 - 130	22	35	
Ethylbenzene	<0.00199	U F1	0.0994	0.02249	F1	mg/Kg		23	70 - 130	25	35	
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.04737	F1	mg/Kg		24	70 - 130	19	35	
o-Xylene	<0.00199	U F1	0.0994	0.02791	F1	mg/Kg		28	70 - 130	29	35	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130									
1,4-Difluorobenzene (Surr)	89		70 - 130									

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

Lab Sample ID: MB 880-14906/1-A
 Matrix: Solid
 Analysis Batch: 14894

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14906

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		12/16/21 08:22	12/16/21 09:51	1

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-14906/1-A
Matrix: Solid
Analysis Batch: 14894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14906

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/21 08:22	12/16/21 09:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/21 08:22	12/16/21 09:51	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
1-Chlorooctane	102		70 - 130	12/16/21 08:22	12/16/21 09:51	1			
o-Terphenyl	129		70 - 130	12/16/21 08:22	12/16/21 09:51	1			

Lab Sample ID: LCS 880-14906/2-A
Matrix: Solid
Analysis Batch: 14894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	909.9		mg/Kg		91	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	94		70 - 130				
o-Terphenyl	104		70 - 130				

Lab Sample ID: LCSD 880-14906/3-A
Matrix: Solid
Analysis Batch: 14894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 14906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130	10	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	94		70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: 880-9101-A-1-E MS
Matrix: Solid
Analysis Batch: 14894

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 14906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	996	872.8		mg/Kg		88	70 - 130
Surrogate	MS	MS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	78		70 - 130						
o-Terphenyl	84		70 - 130						

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QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-14975/3-A
 Matrix: Solid
 Analysis Batch: 15160

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 14975

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

Lab Sample ID: 880-9414-A-44-C MS
 Matrix: Solid
 Analysis Batch: 15160

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 14975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1260		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	974.5		mg/Kg		93	70 - 130

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

Lab Sample ID: 880-9414-A-44-D MSD
 Matrix: Solid
 Analysis Batch: 15160

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 14975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	1278		mg/Kg		123	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	995	1047		mg/Kg		101	70 - 130	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14941/1-A
 Matrix: Solid
 Analysis Batch: 15074

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/21 22:24	1

Lab Sample ID: LCS 880-14941/2-A
 Matrix: Solid
 Analysis Batch: 15074

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	263.7		mg/Kg		105	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-14941/3-A
 Matrix: Solid
 Analysis Batch: 15074

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	268.8		mg/Kg		108	90 - 110	2	20

Lab Sample ID: 880-9413-2 MS
 Matrix: Solid
 Analysis Batch: 15074

Client Sample ID: H-2 (0-0.5)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	56.9		248	324.3		mg/Kg		108	90 - 110

Lab Sample ID: 880-9413-2 MSD
 Matrix: Solid
 Analysis Batch: 15074

Client Sample ID: H-2 (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	56.9		248	327.9		mg/Kg		109	90 - 110	1	20

Lab Sample ID: MB 880-15034/1-A
 Matrix: Solid
 Analysis Batch: 15133

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/19/21 11:47	1

Lab Sample ID: LCS 880-15034/2-A
 Matrix: Solid
 Analysis Batch: 15133

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	269.4		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-15034/3-A
 Matrix: Solid
 Analysis Batch: 15133

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	266.6		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-9409-A-1-G MS
 Matrix: Solid
 Analysis Batch: 15133

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	139		248	408.1		mg/Kg		109	90 - 110

Lab Sample ID: 880-9409-A-1-H MSD
 Matrix: Solid
 Analysis Batch: 15133

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	139		248	408.5		mg/Kg		109	90 - 110	0	20

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 14907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Total/NA	Solid	8021B	14933
880-9413-2	H-2 (0-0.5)	Total/NA	Solid	8021B	14933
880-9413-3	H-3 (0-0.5)	Total/NA	Solid	8021B	14933
880-9413-4	H-4 (0-0.5)	Total/NA	Solid	8021B	14933
MB 880-14907/8	Method Blank	Total/NA	Solid	8021B	
MB 880-14933/5-A	Method Blank	Total/NA	Solid	8021B	14933
LCS 880-14933/1-A	Lab Control Sample	Total/NA	Solid	8021B	14933
LCSD 880-14933/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	14933
880-9411-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	14933
880-9411-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	14933

Prep Batch: 14933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Total/NA	Solid	5035	
880-9413-2	H-2 (0-0.5)	Total/NA	Solid	5035	
880-9413-3	H-3 (0-0.5)	Total/NA	Solid	5035	
880-9413-4	H-4 (0-0.5)	Total/NA	Solid	5035	
MB 880-14933/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-14933/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-14933/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9411-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-9411-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 15042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Total/NA	Solid	Total BTEX	
880-9413-2	H-2 (0-0.5)	Total/NA	Solid	Total BTEX	
880-9413-3	H-3 (0-0.5)	Total/NA	Solid	Total BTEX	
880-9413-4	H-4 (0-0.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 14894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-4	H-4 (0-0.5)	Total/NA	Solid	8015B NM	14906
MB 880-14906/1-A	Method Blank	Total/NA	Solid	8015B NM	14906
LCS 880-14906/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14906
LCSD 880-14906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14906
880-9101-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	14906
880-9101-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14906

Prep Batch: 14906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-4	H-4 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-14906/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14906/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9101-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9101-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 14975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-9413-2	H-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-9413-3	H-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-14975/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14975/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9414-A-44-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9414-A-44-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 15160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Total/NA	Solid	8015B NM	14975
880-9413-2	H-2 (0-0.5)	Total/NA	Solid	8015B NM	14975
880-9413-3	H-3 (0-0.5)	Total/NA	Solid	8015B NM	14975
MB 880-14975/1-A	Method Blank	Total/NA	Solid	8015B NM	14975
LCS 880-14975/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14975
LCSD 880-14975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14975
880-9414-A-44-C MS	Matrix Spike	Total/NA	Solid	8015B NM	14975
880-9414-A-44-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	14975

Analysis Batch: 15254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Total/NA	Solid	8015 NM	
880-9413-2	H-2 (0-0.5)	Total/NA	Solid	8015 NM	
880-9413-3	H-3 (0-0.5)	Total/NA	Solid	8015 NM	

Analysis Batch: 15281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-4	H-4 (0-0.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-9413-2	H-2 (0-0.5)	Soluble	Solid	DI Leach	
880-9413-3	H-3 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-14941/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14941/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14941/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9413-2 MS	H-2 (0-0.5)	Soluble	Solid	DI Leach	
880-9413-2 MSD	H-2 (0-0.5)	Soluble	Solid	DI Leach	

Leach Batch: 15034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-4	H-4 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-15034/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-15034/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-15034/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9409-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9409-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 15074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-1	H-1 (0-0.5)	Soluble	Solid	300.0	14941
880-9413-2	H-2 (0-0.5)	Soluble	Solid	300.0	14941
880-9413-3	H-3 (0-0.5)	Soluble	Solid	300.0	14941
MB 880-14941/1-A	Method Blank	Soluble	Solid	300.0	14941
LCS 880-14941/2-A	Lab Control Sample	Soluble	Solid	300.0	14941
LCSD 880-14941/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14941
880-9413-2 MS	H-2 (0-0.5)	Soluble	Solid	300.0	14941
880-9413-2 MSD	H-2 (0-0.5)	Soluble	Solid	300.0	14941

Analysis Batch: 15133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9413-4	H-4 (0-0.5)	Soluble	Solid	300.0	15034
MB 880-15034/1-A	Method Blank	Soluble	Solid	300.0	15034
LCS 880-15034/2-A	Lab Control Sample	Soluble	Solid	300.0	15034
LCSD 880-15034/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	15034
880-9409-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	15034
880-9409-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	15034

Lab Chronicle

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-9413-1

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

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	14933	12/16/21 10:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14907	12/17/21 02:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15042	12/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15254	12/21/21 13:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14975	12/16/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15160	12/20/21 21:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1			15074	12/20/21 00:10	CH	XEN MID

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

Lab Sample ID: 880-9413-2

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

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	14933	12/16/21 10:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14907	12/17/21 02:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15042	12/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15254	12/21/21 13:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14975	12/16/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15160	12/20/21 21:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1			15074	12/20/21 00:17	CH	XEN MID

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

Lab Sample ID: 880-9413-3

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

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	14933	12/16/21 10:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14907	12/17/21 03:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15042	12/17/21 09:00	KL	XEN MID
Total/NA	Analysis	8015 NM		1			15254	12/21/21 13:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14975	12/16/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			15160	12/20/21 21:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14941	12/16/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5			15074	12/20/21 00:37	CH	XEN MID

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

Lab Sample ID: 880-9413-4

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

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	14933	12/16/21 10:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	14907	12/17/21 03:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15042	12/17/21 09:00	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-9413-4

Date Collected: 12/15/21 00:00

Matrix: Solid

Date Received: 12/16/21 10:16

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			15281	12/21/21 15:44	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14906	12/16/21 12:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14894	12/16/21 12:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	15034	12/17/21 08:50	CA	XEN MID
Soluble	Analysis	300.0		1			15133	12/19/21 14:57	SC	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

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- 11
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- 13
- 14

Method Summary

Client: NT Global
 Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
 SDG: Eddy Co, NM

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: NT Global
Project/Site: Blue Thunder 5 Fed #4H (12.04.21)

Job ID: 880-9413-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9413-1	H-1 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:16
880-9413-2	H-2 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:16
880-9413-3	H-3 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:16
880-9413-4	H-4 (0-0.5)	Solid	12/15/21 00:00	12/16/21 10:16

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- 14



Chain of Custody

Work



880-9413 Chain of Custody

Page 1 of 1

Project Manager	Mike Carriona	Bill to: (if different)	Jacqui Harris
Company Name	NTG Environmental	Company Name	COG
Address	701 Tradewinds Blvd	Address	15 W Lovring Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Lovring NM 88256
Phone	432-813-0263	Email	jacqui.harris@conocophillips.com

Program	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project	Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>

Project Name	Blue Thunder 5 Fed #4H (12 04 21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Par. Code	
Project Number	214974	Due Date:	72 HIS		
Project Location	Eddy Co. NM	TAT starts the day received by the lab if received by 4:30pm			
Sampler's Name	NH	Temp Blank	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID	12-8
PO #		Cooler Custody Seals	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor	
SAMPLE RECEIPT		Sample Custody Seals	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading	1.7
Received Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Corrected Temperature:	5

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
H-1 (0-0.5')	12/15/2021	-	X	-	G	1	BTEX 8021B		None NO	DI Water H ₂ O
H-2 (0-0.5')	12/15/2021	-	X	-	G	1	TPH 8015M (GRO + DRO + MRO)		Cool Cool	MeOH Me
H-3 (0-0.5')	12/15/2021	-	X	-	G	1	Chloride 300 0		HCL, HC	HNO ₃ HN
H-4 (0-0.5')	12/15/2021	-	X	-	G	1			H ₂ SO ₄ H ₂	NaOH Na

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Nick Hart</i>	<i>[Signature]</i>	12/16/21			
3		10:00			
5					

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-9413-1

SDG Number: Eddy Co, NM

Login Number: 9413

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, 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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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 11, 2022

CONNER MOEHRING
CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND, TX 79701

RE: BLUE THUNDER 5 FED #4H

Enclosed are the results of analyses for samples received by the laboratory on 03/10/22 11:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 1 (1.5') (H220963-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82	
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	14.4	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 2 (1.5') (H220963-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82	
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	10.2	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 3 (1.5') (H220963-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82	
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (1.5') (H220963-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82		
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06		
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38		
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56		
Total BTEX	<0.300	0.300	03/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5		
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6		
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND						

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 5 (1.5') (H220963-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82		
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06		
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38		
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56		
Total BTEX	<0.300	0.300	03/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5		
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6		
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND						

Surrogate: 1-Chlorooctane 95.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 6 (1.5') (H220963-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82	
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 7 (1.5') (H220963-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82		
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06		
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38		
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56		
Total BTEX	<0.300	0.300	03/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5		
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6		
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND						

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 8 (1.5') (H220963-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2022	ND	1.93	96.6	2.00	8.82		
Toluene*	<0.050	0.050	03/10/2022	ND	1.94	96.9	2.00	9.06		
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.86	93.0	2.00	9.38		
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.73	95.5	6.00	9.56		
Total BTEX	<0.300	0.300	03/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/11/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5		
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6		
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND						

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 1 (1.5') (H220963-09)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51	
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.4 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 2 (1.5') (H220963-10)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51		
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90		
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82		
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31		
Total BTEX	<0.300	0.300	03/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5		
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6		
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND						

Surrogate: 1-Chlorooctane 88.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.2 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 3 (1.5') (H220963-11)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51	
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 4 (1.5') (H220963-12)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51		
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90		
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82		
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31		
Total BTEX	<0.300	0.300	03/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5		
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6		
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND						

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.2 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 5 (1.5') (H220963-13)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51	
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 67.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 65.4 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 6 (1.5') (H220963-14)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51	
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.5 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 7 (1.5') (H220963-15)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51	
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.2 % 59.5-142

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	BLUE THUNDER 5 FED #4H	Sampling Condition:	** (See Notes)
Project Number:	1019 (12.04.21)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 8 (1.5') (H220963-16)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2022	ND	2.01	101	2.00	8.51	
Toluene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.90	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	2.00	99.9	2.00	8.82	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	6.18	103	6.00	8.31	
Total BTEX	<0.300	0.300	03/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	202	101	200	18.5	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	191	95.5	200	19.6	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.1 % 59.5-142

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H220963

Page 1 of 2

Project Manager: Conner Moehring
 Company Name: Camona Resources
 Address: 310 West Wall Ste. 415
 City, State ZIP: Midland, TX 79701
 Phone: 432-813-6823

Bill to: (if different)
 Company Name: COG
 Address: 15 W Loving Rd
 City, State ZIP: Loving, NM 88256

Email: jacquiharris@conocophillips.com
 Mike Conner, Client

Work Order Comments
 Program: UST/PST PRP Brownfields RRC Superfund
 State of Project: Level II Level III PST/UST TRRP Level IV
 Reporting Level II Level III ADAPT Other:
 Deliverables: EDD

Project Name: Blue Thunder 5 Fed #4H (12.04.21)
 Project Number: 1019
 Project Location: Eddy Co. NM
 Sampler's Name: CM
 PO #:
 Turn Around: Routine Rush
 Due Date: 24Hrs
 TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers:
 Corrected Temperature: 18.2

Wet Ice: Yes No
 Thermometer ID: 113
 Correction Factor: -0.52
 Temperature Reading: 18.7

Parameters
 BTEX 8021B
 TPH 8015M (GRO + DRO + MRO)
 Chloride 4500

Preservative Codes
 None: NO
 DI Water: H₂O
 Cool: Cool
 MeOH: Me
 HCL: HC
 HNO₃: HN
 H₂SO₄: H₂
 H₃PO₄: HP
 NaHSO₄: NABIS
 Na₂S₂O₅: NaSO₅
 Zn Acetate+NaOH: Zn
 NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Sample Comments
CS-1 (1.5')	3/10/2022		X		C	1	X	X		
CS-2 (1.5')	3/10/2022		X		C	1	X	X		
CS-3 (1.5')	3/10/2022		X		C	1	X	X		
CS-4 (1.5')	3/10/2022		X		C	1	X	X		
CS-5 (1.5')	3/10/2022		X		C	1	X	X		
CS-6 (1.5')	3/10/2022		X		C	1	X	X		
CS-7 (1.5')	3/10/2022		X		C	1	X	X		
CS-8 (1.5')	3/10/2022		X		C	1	X	X		
SW-1 (1.5')	3/10/2022		X		C	1	X	X		
SW-2 (1.5')	3/10/2022		X		C	1	X	X		

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3-10-22 1156			

Revised Date: 05/12/2020 Rev. 2020.1

Chain of Custody

Work Order No: H220963

Page 2 of 2

Project Manager:	Comer Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 West Wall Ste. 415	Address:	15 W Loving Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@comconchillips.com

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

Project Name:	Blue Thunder 5 Fed #4H (12.04.21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	1019	Due Date:	24HRS		
Project Location:	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	CM	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
PO #:		Thermometer ID:	113		
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.52	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	18.7		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	18.2		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Total Containers:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		ANALYSIS REQUEST	Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)			
SW-3 (1.5')	3/10/2022		X		C	1	X	X			
SW-4 (1.5')	3/10/2022		X		C	1	X	X			
SW-5 (1.5')	3/10/2022		X		C	1	X	X			
SW-6 (1.5')	3/10/2022		X		C	1	X	X			
SW-7 (1.5')	3/10/2022		X		C	1	X	X			
SW-8 (1.5')	3/10/2022		X		C	1	X	X			

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3-10-22 1156			

Revised Date 05/07/2020 Rev. 2020.1

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____
 Signature: Jaquie Harris _____ Date: 6/8/2022
 email: _____ Telephone: _____

OCD Only

Received by: Robert Hamlet Date: 7/13/2022

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

Closure Approved by: Robert Hamlet Date: 7/13/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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 115060

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 115060
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2201126212 BLUE THUNDER 5 FEDERAL 004H, thank you. This closure is approved.	7/13/2022