

## Site Information

Work Plan
Hambone Federal 8 CTB (11.18.21)
Eddy County, New Mexico
Unit N Sec 08 T26S R29E
Incident #: NAPP2133541017
32.050387°, -104.006826°

Produced Water Release
Source: Incorrectly positioned valve
Release Date: 11/18/2021
Volume Released: 45.193 bbls/Produced Water
Volume Recovered: 40 bbls/Produced Water

Prepared for: COG Operating, LLC 15 West London Rd Loving, NM 88256

Prepared by: NTG Environmental 701 Tradewinds Blvd Suite C Midland, TX 79706



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701 Tradewinds Boulevard, Suite C Midland, Texas 79706 Tel. 432.685.3898 www.ntglobal.com

January 27, 2022

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

Re: Work Plan

Hambone Federal 8 CTB (11.18.21)

**COG Operating, LLC** 

Site Location: Unit N, S08, T26S, R29E

Incident #: NAPP2133541017

(Lat 32.050387°, Long -104.006826°)

**Eddy County, New Mexico** 

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities for the Hambone Federal 8 CTB (11.18.21) release. The site is located at 32.050387°, -104.006826° within Unit N, S08, T26S, R29E, and approximately 12.65 miles Southeast of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

## **Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 18, 2021, caused by a corroded bull plug. It resulted in the release of approximately 45.193 barrels of produced water, and 40 barrels of produced water were recovered. The impacted area measured approximately 220' x 140', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

## **Site Characterization**

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a ½ mile radius of the location. The nearest identified well is located approximately 0.46 miles Northwest of the site in S13, T26S, R28E, and drilled in 2003. The well has a reported depth to groundwater of 58.88' feet below ground surface (ft bgs). A copy of the associated *National Water Information System* report is attached in Appendix B.

## **Regulatory Criteria**

In accordance with 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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO +DRO)
- Chloride: 10,000 mg/kg

## **Assessment Activities**

## **Initial Assessment**

On December 8, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of five (5) soil sample points (S1 through S5) and six (6) horizontal sample points were installed to total depths ranging from surface to 2.5 ft below the surface. Soil samples were collected and submitted to the laboratory 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 C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the area of (S-1) had TPH concentrations of 21,970 mg/kg to 14,960 mg/kg at a depth from the surface to 1.0-1.5' below the surface. The area of (S-3) had chloride concentration values ranging from 43,600 mg/kg to 10,300 mg/kg and a high TPH concentration of 4,163 mg/kg at a depth 1.0-1.5' below the surface. The area of (S-4) had chloride concentration values ranging from 26,000 mg/kg to 2,480 mg/kg at a depth from the surface to 1.0-1.5' below the surface. The area of (S-5) had chloride concentration values ranging from 32,400 mg/kg to 4,960 mg/kg at a depth from the surface to 1.0-1.5' below the surface.

## **Trenches**

On January 4, 2021, NTGE personnel were on site to vertically define the release. A total of four (4) trenches (T-1 through T-4) were installed to total depths ranging from surface to 4 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, the area of T-1 had chloride concentration values ranging from 11,200 mg/kg to 320 mg/kg and TPH concentrations ranging from 3,960 mg/kg to <49.9 mg/kg at a depth from the surface to 2' below the surface. The area of T-2 had chloride concentration values ranging from 10,300 mg/kg to 2,020 mg/kg and TPH concentrations ranging from 6,310 mg/kg to <50.0 mg/kg at a depth from the surface to 2' below the surface. The area of T-3 had chloride concentration values ranging from 12,700 mg/kg to 315 mg/kg at a depth from the surface to 2' below the surface. The area of T-4 had chloride concentration values ranging from 16,200 mg/kg to 106 mg/kg at a depth from the surface to 2' below the surface.

## **Proposed Work Plan**

Based on the laboratory results and the detected TPH and chloride concentrations, COG proposes to excavate the areas as shown in Figure 4 and highlighted (yellow) in Table 1.

- The areas of S-1 (Trench-1), S-3 (Trench-3), and S-4 will be excavated to a depth of 2' below surface and backfilled with clean material to grade.
- The area of S-2 (Trench- 2) will be excavated to a depth of 3' below surface and backfilled with clean material to grade.
- The area of S-5 (Trench-4) will be excavated to a depth of 2.5' below surface and backfilled with clean material to grade.

- Composite sidewall and bottom hole samples will be collected every 400 square feet and analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B. Chloride by EPA method 300.0., to be representative of the release area for documentation purposes
- COG estimates approximately 2,085 cubic yards to be removed and hauled to the nearest disposal.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

## **Safety Concerns**

The proposed excavation depths may not be reached due to wall cave-ins and safety concerns for onsite personnel. In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. COG will excavate the impacted soils to the maximum extent possible.

## **Conclusions**

Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,

**NTG Environmental** 

Mike Carmona

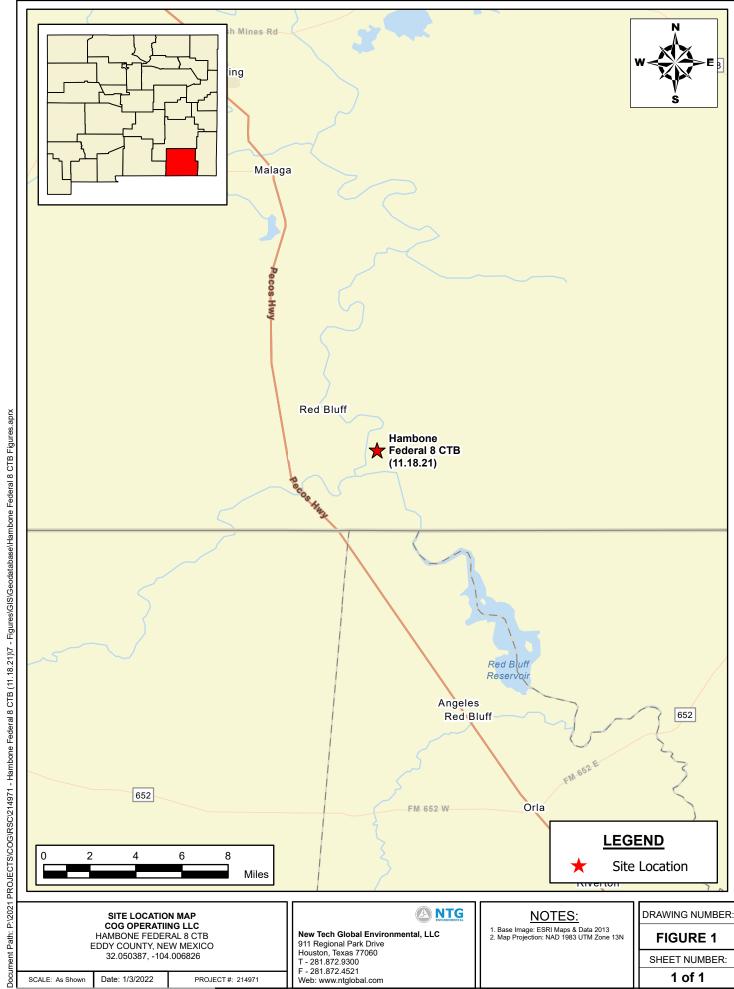
Senior Project Manager

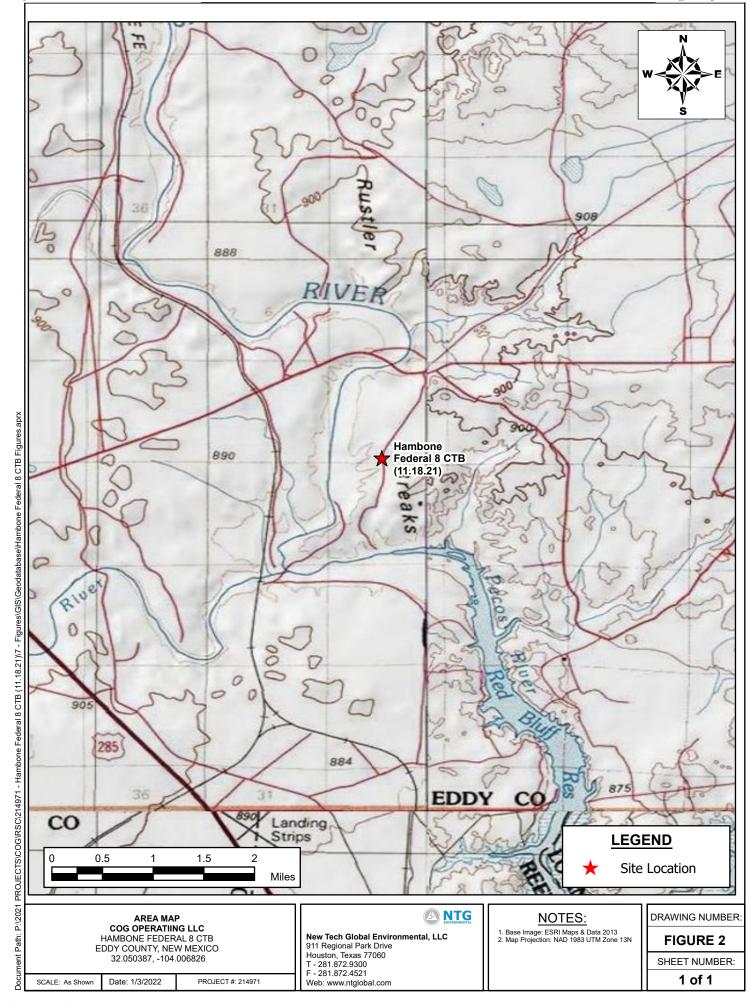
Ashton Thielke

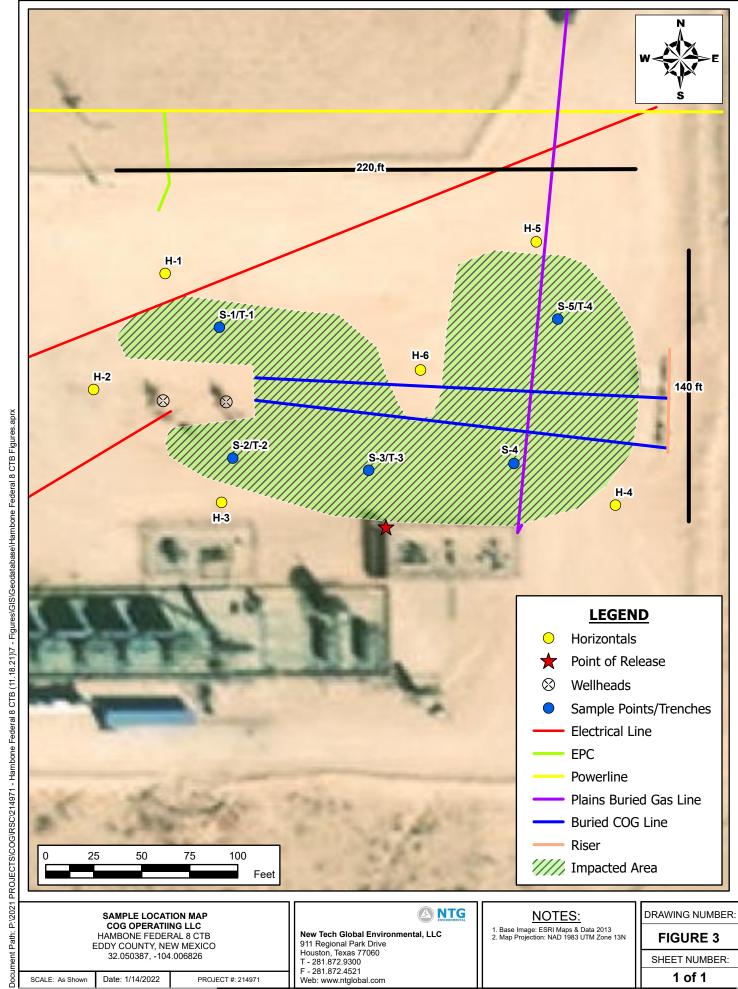
Project Manager

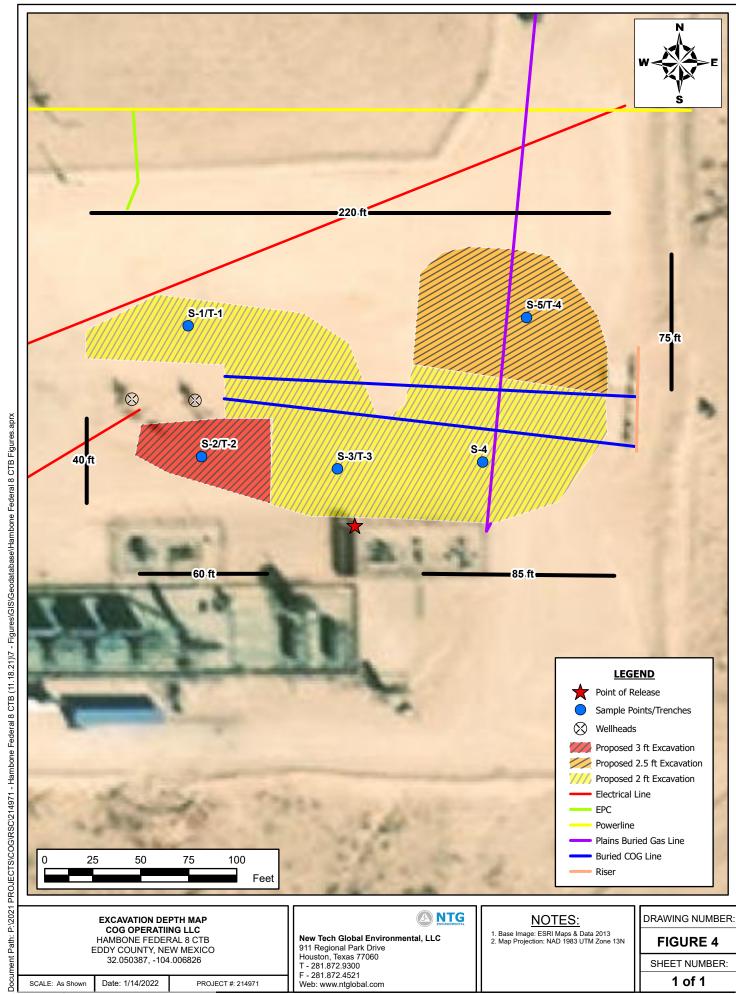


# **Figures**











**Tables** 

Table 1 Concho Operating, LLC Hambone Fed 8 CTB (11.18.21) Eddy County, New Mexico

Sample ID	Date	Sample		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-1	12/8/2021	0-1'	<50.0	17,750	4,220	21,970	<0.50	<0.50	<0.50	<0.150	<0.300	1,380
0.1	"	1-1.5'	<50.0	12,400	2,560	14,960	<0.50	<0.50	<0.50	<0.150	<0.300	1,040
	1/4/2022	0-1'	<49.9	3,960	<49.9	3,960	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11,200
T-1	ıı	1'	<50.0	4,560	<50.0	4,560	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10,000
1-1	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	320
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	333
S-2	12/8/2021	0-1'	<10.0	268	<10.0	268	<0.50	<0.50	<0.50	<0.150	<0.300	5,600
3-2	"	1-1.5'	<10.0	11.4	<10.0	11.4	<0.50	<0.50	<0.50	<0.150	<0.300	1,480
	1/4/2022	0-1'	<50.0	6,310	<50.0	6,310	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	8,010
T-2	"	1'	<50.0	7,610	<50.0	7,610	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	10,400
1-2	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,020
	II .	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	319
0.0	12/8/2021	0-1'	<10.0	105	<10.0	105	<0.50	<0.50	<0.50	<0.150	<0.300	43,600
S-3	II .	1-1.5'	<10.0	3,970	193	4,163	<0.50	<0.50	<0.50	<0.150	<0.300	10,300
	1/4/2022	0-1'	<50.0	167	<50.0	167	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12,700
T 2	"	1'	<50.0	292	<50.0	292	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,040
T-3	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	315
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	175
	12/8/2021	0-1'	<10.0	30.2	<10.0	30.2	<0.50	<0.50	<0.50	<0.150	<0.300	26,000
S-4	ıı .	1-1.5'	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	2,480
	"	2-2.5'	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	176
	12/8/2021	0-1'	<10.0	183	22.8	206	<0.50	<0.50	<0.50	<0.150	<0.300	32,400
S-5	"	1-1.5'	<10.0	34.4	<10.0	34.4	<0.50	<0.50	<0.50	<0.150	<0.300	4,960
	"	2-2.5'	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	656
	1/4/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16,200
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16,200
T-4	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	106
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	88.7
	"	4'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	44.3

Table 1
Concho Operating, LLC
Hambone Fed 8 CTB (11.18.21)
Eddy County, New Mexico

0I- ID	D. C.	Sample	TPH (mg/kg)				Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
H-1	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	64.0
H-2	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	32.0
H-3	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	112
H-4	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	16.0
H-5	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	48.0
H-6	12/8/2021	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.150	<0.300	80.0
Regulatory Limits			1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

Proposed Excavation Depths
(-) Not Analyzed
A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet



# Photo Log

## PHOTOGRAPHIC LOG

**COG Operating, LLC** 

## Photograph No. 1

Facility: Hambone Federal 8 CTB (11.18.21)

County: Eddy County, New Mexico

**Description:** 

View Southeast, area of S-2/T-2.



## Photograph No. 2

Facility: Hambone Federal 8 CTB (11.18.21)

County: Eddy County, New Mexico

**Description:** 

View Southwest, area of S-3/T-3, S-4, and S-5/T-4.



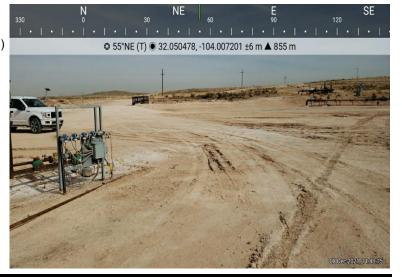
## Photograph No. 3

Facility: Hambone Federal 8 CTB (11.18.21)

County: Eddy County, New Mexico

**Description:** 

View Northeast, area of S-3/T-3, S-4, and S-5/T-4.





# Appendix A

<u>District I</u> 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 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 l	Party			OGRID	OGRID					
Contact Nam	e			Contact T	Contact Telephone					
Contact emai	1			Incident #	t (assigned by OCL	0)				
Contact maili	ng address			<u> </u>						
			Location	of Release S	ource					
Latitude				Longitude						
			(NAD 83 in dec	cimal degrees to 5 deci	mal places)					
Site Name				Site Type						
Date Release	Discovered			API# (if ap	plicable)					
Unit Letter	Section	Township	Range	Cou	nty					
Surface Owner				l Volume of		pe volumes provided below)				
Crude Oil		Volume Release		calculations of specific	ulations or specific justification for the volumes provided below)  Volume Recovered (bbls)					
Produced	Water	Volume Release	d (bbls)		Volume Rec	overed (bbls)				
		Is the concentrate produced water	ion of dissolved c	hloride in the	Yes 1	No				
Condensat	te	Volume Release			Volume Rec	overed (bbls)				
Natural G	as	Volume Release	d (Mcf)		Volume Rec	overed (Mcf)				
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Wei	ight Recovered (provide units)				
Cause of Rele	ease									

Received by OCD: 2/17/2022 8:29:51 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

	Page 18 of 16	04
Incident ID		
District RP		
Facility ID		

	Application ID
Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ☐ No	
If YES, was immediate no	otice 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
☐ The source of the rele	ease has been stopped.
☐ The impacted area ha	as been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
has begun, please attach	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In if a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name	Title:
Signature:	Date:
email:	Telephone:
OCD O	
OCD Only	
Received by:	Date:

Received by OCD: 2/17/2022it8:29th LAMinber:	Hambone Fed 8H	Page 19 of 104
Asset Area:	DBWN	
Release Discovery Date & Time:	11.18.21	

Release Type: Produced Water

## Provide any known details about the event: Valve left open Spill Calculation - On Pad Surface Pool Spill

1008.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

42.0

Reteased to Imaging: 2/28/2022 2:44:33 PM

Rectangle C

Rectangle D

Rectangle E

Rectangle F

Rectangle G

Rectangle H

Rectangle I

24.0

0.50

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.)	Percentage of Oil if Spilled Fluid is a Mixture	11 TO 10 TO	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
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0.014

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into a series of rectangles	(ft.)	(ft.)	areas (in.)	of "shore" in each area	Area (sq. ft.)	Depth (ft.)	of each pool area (bbl.)	allowance (ft.)	Volume of Spill (bbl.)	Spilled Fluid is a Mixture	Volume of Spilled Oil (bbl.)	Liquid other than Oil (bbl.)
Rectangle A	138.0	78.0	0.50	3	10764.000	0.014	26.611	0.001	26.629			
	COLUMN TO SERVICE STATE OF THE PERSON STATE OF	1000		N								

rectangles	(ic)	(11.)	(in.)	area	(sq. ft.)	(ft.)	(bbl.)	(ft.)	(bbl.)	Mixture	Oil (bbl.)	Oil (b
Rectangle A	138.0	78.0	0.50	3	10764.000	0.014	26.611	0.001	26.629			
Rectangle B	111.0	39.0	0.50	2	4329.000	0.021	16 053	0.001	16 070			

rectallyles	0.00000	0.03020K	(in.)	aica	(Sq. 1L.)	(ft.)	(UUI.)	(11.)	(UUI.)	MIXIUIE	Oii (bbi.)	Oil (bbl.)
Rectangle A	138.0	78.0	0.50	3	10764.000	0.014	26.611	0.001	26.629			
Destanda P	444.0	20.0	0.50	2	4220 000	0.004	1C 0E2	0.004	46 070			

2.492

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0.001

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Total Volume Release:

2.494

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#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

#DIV/0!

45.193

Received by OCD: 2/17/2022 8:29:51 AM Form C-141 State of New Mexico Page 3 Oil Conservation Division

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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?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ 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)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ 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?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	rtical extents of soil
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 well 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	ls.

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.

Received by OCD: 2/17/2022 8:29:51 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page 21 of 104

Incident ID

District RP

Facility ID

Application ID

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	_ Title:
Signature: Jacqui Thoris	Date: 2/17/2022
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 2/17/2022 8:29:51 AM Form C-141 State of New Mexico Page 5 Oil Conservation Division

	Page 22 of 10	04
Incident ID		
District RP		
Facility ID		
Application ID		

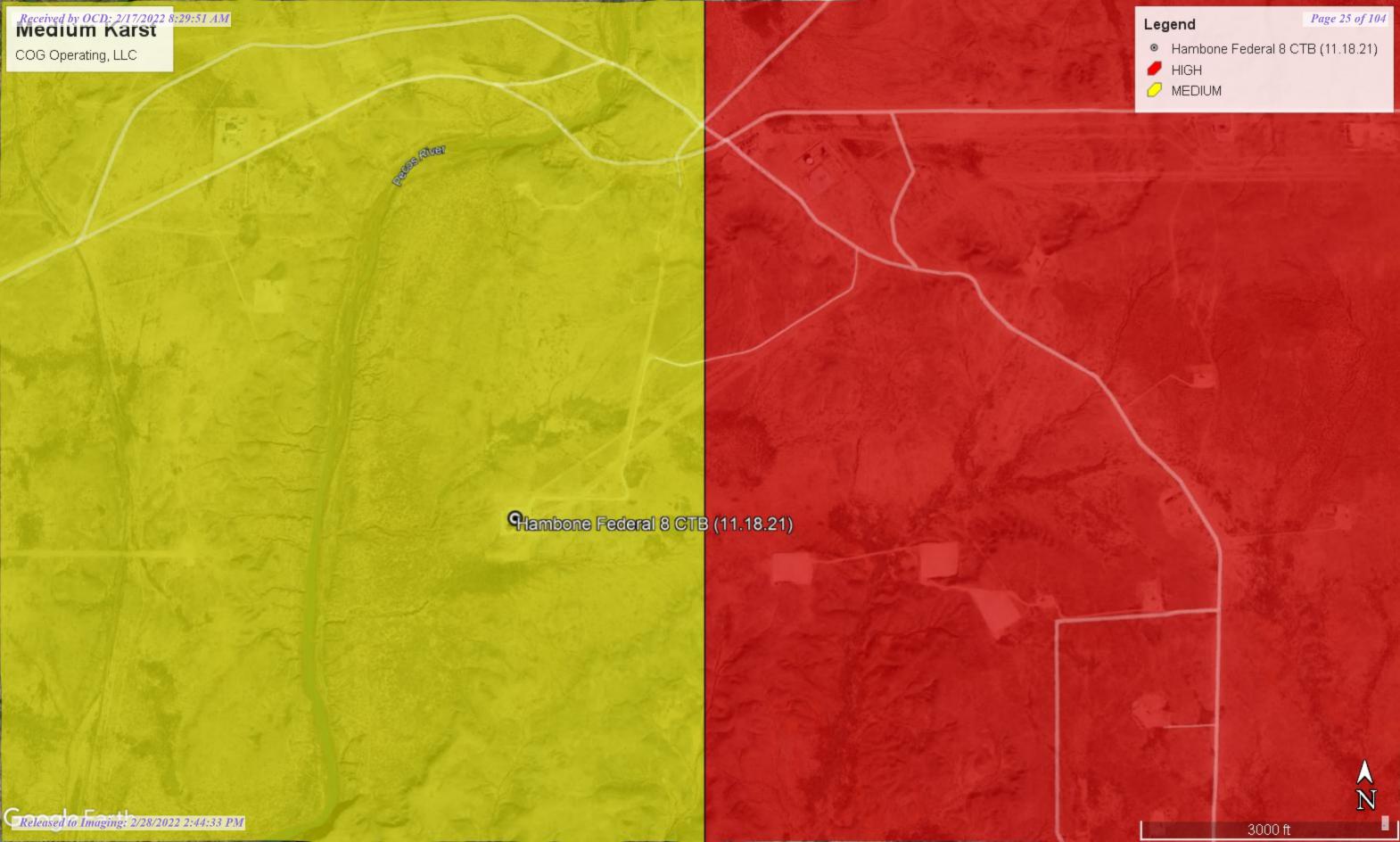
## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must b	o included in the plan
Remediation I fan Checkhist. Each of the following tiems must b	e included in the plan.
Detailed description of proposed remediation technique	
Scaled sitemap with GPS coordinates showing delineation poin	ts
Estimated volume of material to be remediated	
Closure criteria is to Table 1 specifications subject to 19.15.29.	12(C)(4) NMAC
Proposed schedule for remediation (note if remediation plan times)	neline is more than 90 days OCD approval is required)
<u>Deferral Requests Only</u> : Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
deconstruction.	
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	te to the best of my knowledge and understand that pursuant to OCD
	certain release notifications and perform corrective actions for releases
which may endanger public health or the environment. The accepta	
liability should their operations have failed to adequately investigat	
surface water, human health or the environment. In addition, OCD	
responsibility for compliance with any other federal, state, or local	aws and/or regulations.
Printed Name:	Title:
Signature: Pacqui Provis	Date: 2/17/2022
Signature:   Acquire   Metus	Date:
email:	Telephone:
	•
OCD O. I	
OCD Only	
Received by:	Date:
☐ Approved  ☐ Approved with Attached Conditions of	Approval Denied Deferral Approved
Signature: Jennifer Nobiu	Date:
J U	



# Appendix B







# 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 Sub-		Q (	Q Q							Depth	Depth	Water
POD Number	Code basin	County	64 1	6 4	Sec	Tws	Rng	Х	Υ	Distance	Well	Water	Column
C 03507 POD1	С	ED	1	3 3	05	26S	29E	593064	3548313 🌑	1967	140	78	62
C 03508 POD1	С	ED	1	3 3	05	26S	29E	593063	3548361 🌑	2012	140	75	65
<u>C 02894</u>	С	ED	2	2 3	12	26S	28E	590458	3547061* 🌍	3331	240		
C 04473 POD1	CUB	ED	3	4 3	33	25S	29E	595018	3549768 🌍	3544	110		
C 02160 S8	CUB	ED	2	3 3	12	26S	28E	590056	3546653* 🌍	3684	200	120	80
C 01668	CUB	ED		3 3	12	26S	28E	589957	3546554* 🎒	3779	250	100	150

Average Depth to Water:

93 feet

Minimum Depth:

75 feet

Maximum Depth:

120 feet

**Record Count:** 6

UTMNAD83 Radius Search (in meters):

Easting (X): 593735.34 Northing (Y): 3546464.29 Radius: 4000

\*UTM location was derived from PLSS - see Help

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



## 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

 $\mathbf{X}$ 

C 02160 S8 3 12 26S 28E 590056 3546653\*

**Driller License:** 

**Driller Company:** 

**Driller Name:** 

**HEMLER** 

**Drill Start Date:** 

**Drill Finish Date:** 

03/01/1961

**Plug Date:** 

Log File Date:

**PCW Rcv Date:** 

Source:

Shallow

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

**Casing Size:** 

Depth Well: 200 feet Depth Water:

120 feet

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

12/7/21 3:09 PM

POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help



# 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** 

C 03507 POD1

Q64 Q16 Q4 Sec Tws Rng

05 26S 29E 593064 3548313

**Driller License:** 1058 **Driller Company:** 

KEY'S DRILLING & PUMP SERVICE

**Driller Name:** 

**Drill Start Date:** 

KEY, CLINTON

**Drill Finish Date:** 

08/26/2011 **Plug Date:** 

Shallow

Log File Date:

08/26/2011 09/12/2011

**PCW Rcv Date:** 

Depth Well:

Source:

35 GPM

**Pump Type: Casing Size:**  **SUBMER** 

Pipe Discharge Size:

140 feet

Depth Water:

**Estimated Yield:** 

78 feet

**Water Bearing Stratifications:** 

**Top Bottom Description** 

78

Shale/Mudstone/Siltstone

105

Sandstone/Gravel/Conglomerate

**Casing Perforations:** 

Top Bottom

75 112

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.

12/7/21 3:03 PM

POINT OF DIVERSION SUMMARY



# 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

05 26S 29E 593063 3548361

**Driller License:** 1058

C 03508 POD1

**Driller Company:** 

KEY'S DRILLING & PUMP SERVICE

**Driller Name:** KEY, CLINTON

08/24/2011

**Drill Finish Date:** 

08/24/2011

140 feet

**Plug Date:** 

Shallow

Log File Date: **Pump Type:** 

**Drill Start Date:** 

09/12/2011

**PCW Rcv Date:** 

Depth Well:

Source: **Estimated Yield:** 

**Casing Size:** 

**SUBMER** 

**Water Bearing Stratifications:** 

Pipe Discharge Size:

Depth Water:

40 GPM 75 feet

**Top Bottom Description** 

105

75

65

76 Shale/Mudstone/Siltstone

**Casing Perforations:** 

Top **Bottom** 

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.

12/7/21 3:07 PM

POINT OF DIVERSION SUMMARY

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> 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

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

• 320303104012301

## Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 320303104012301 26S.28E.14.21412

Eddy County, New Mexico

Latitude 32°03'03.0", Longitude 104°01'23.0" NAD27

Land-surface elevation 2,972.40 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

## **Output formats**

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

Date \$	Time \$	? Water-level \$ date-time accuracy	? Parameter <sup>‡</sup> code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$	? Status	? Method of reasurement	? Measuring <sup>‡</sup> agency	? Source measu
1978-01-13		D	62610		2855.65	NGVD29	1	Z		
1978-01-13		D	62611		2857.19	NAVD88	1	Z		
1978-01-13		D	72019	116.75			1	Z		
1983-01-25		D	62610		2858.75	NGVD29	1	Z		
1983-01-25		D	62611		2860.29	NAVD88	1	Z		
1983-01-25		D	72019	113.65			1	Z		
1987-10-14		D	62610		2873.68	NGVD29	1	Z		
1987-10-14		D	62611		2875.22	NAVD88	1	Z		
1987-10-14		D	72019	98.72			1	Z		
1993-05-04		D	62610		2880.80	NGVD29	1	S		
1993-05-04		D	62611		2882.34	NAVD88	1	S		
1993-05-04		D	72019	91.60			1	S		
1998-01-22		D	62610		2882.55	NGVD29	1	S		
1998-01-22		D	62611		2884.09	NAVD88	1	S		
1998-01-22		D	72019	89.85			1	S		

Date \$	Time \$	? Water-level \$ date-time accuracy	? Parameter <sup>‡</sup> code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$	? Status	? Method of reasurement	? Measuring \$\hat{\phi}\$ agency	? Source measu
2003-01-27		D	62610		2880.28	NGVD29	1	S	USGS	
2003-01-27		D	62611		2881.82	NAVD88	1	S	USGS	
2003-01-27		D	72019	92.12			1	S	USGS	

#### 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
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> **Data Tips Explanation of terms** Subscribe for system changes <u>News</u>

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2021-12-07 17:18:21 EST

0.3 0.26 nadww01

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- Full News 🔊

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

• 320307104005301

## Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 320307104005301 26S.28E.13.11214

Eddy County, New Mexico

Latitude 32°03'07", Longitude 104°00'53" NAD27

Land-surface elevation 2,858 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

## **Output formats**

Table of data
<u>Tab-separated data</u>
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 <sup>‡</sup> agency	? Source measu
1948-12-15		D	62610		2796.46	NGVD29	1	Z		
1948-12-15		D	62611		2798.00	NAVD88	1	Z		
1948-12-15		D	72019	60.00			1	Z		
1975-12-09		D	62610		2796.97	NGVD29	1	Z		
1975-12-09		D	62611		2798.51	NAVD88	1	Z		
1975-12-09		D	72019	59.49			1	Z		
1976-01-20		D	62610		2797.89	NGVD29	1	Z		
1976-01-20		D	62611		2799.43	NAVD88	1	Z		
1976-01-20		D	72019	58.57			1	Z		
1977-01-13		D	62610		2802.13	NGVD29	1	Z		
1977-01-13		D	62611		2803.67	NAVD88	1	Z		
1977-01-13		D	72019	54.33			1	Z		
1978-02-23		D	62610		2799.71	NGVD29	1	Z		
1978-02-23		D	62611		2801.25	NAVD88	1	Z		
1978-02-23		D	72019	56.75			1	Z		

Date \$	Time \$	? Water-level \$ date-time accuracy	? Parameter <sup>‡</sup> code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$	? Status	? Method of reasurement	? Measuring * agency	? Source measu
1983-01-26		D	62610		2803.36	NGVD29	1	Z		
1983-01-26		D	62611		2804.90	NAVD88	1	Z		
1983-01-26		D	72019	53.10			1	Z		
1987-10-14		D	62610		2801.32	NGVD29	1	Z		
1987-10-14		D	62611		2802.86	NAVD88	1	Z		
1987-10-14		D	72019	55.14			1	Z		
1988-03-22		D	62610		2798.73	NGVD29	1	Z		
1988-03-22		D	62611		2800.27	NAVD88	1	Z		
1988-03-22		D	72019	57.73			1	Z		
1993-01-05		D	62610		2796.63	NGVD29	1	S		
1993-01-05		D	62611		2798.17	NAVD88	1	S		
1993-01-05		D	72019	59.83			1	S		
1998-01-22		D	62610		2803.01	NGVD29	1	S		
1998-01-22		D	62611		2804.55	NAVD88	1	S		
1998-01-22		D	72019	53.45			1	S		
2003-01-27		D	62610		2797.58	NGVD29	1	S	USGS	
2003-01-27		D	62611		2799.12	NAVD88	1	S	USGS	
2003-01-27		D	72019	58.88			1	S	USGS	

## 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
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
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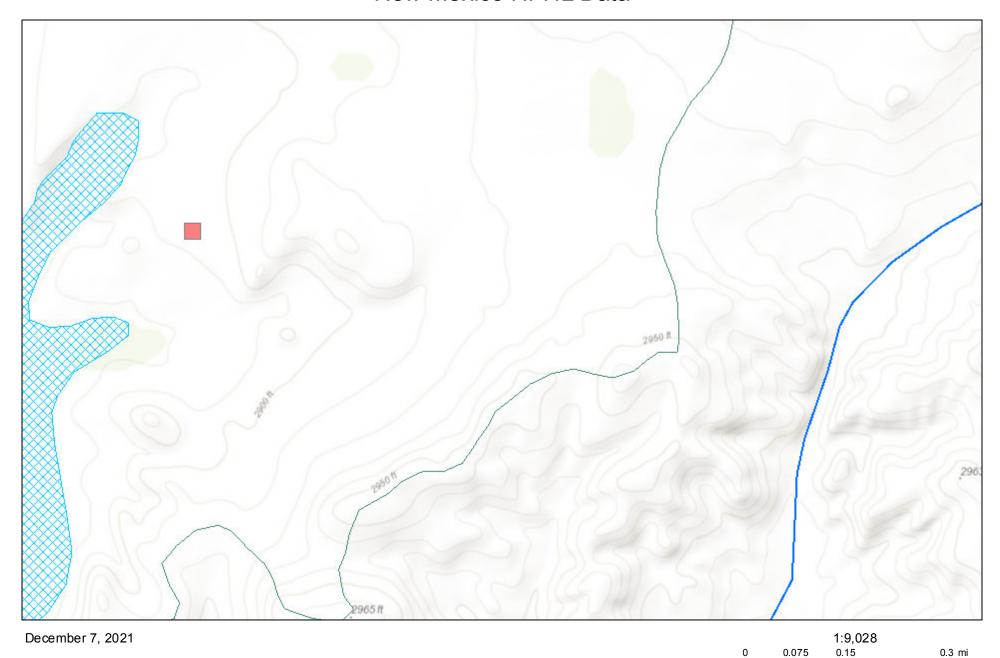
0.4 0.26 nadww01

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2021-12-07 17:15:49 EST





## New Mexico NFHL Data



0.2 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

0.4 km

0.1



# Appendix C



December 10, 2021

MIKE CARMONA

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: HAMBONE FED 8 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: COG - EDDY CO NM

### Sample ID: H - 1 ( 0-0.5' ) (H213544-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/09/2021	ND	416	104	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	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	91.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.2	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY CO NM

### Sample ID: H - 2 ( 0-0.5' ) (H213544-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	90.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.4	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY CO NM

### Sample ID: H - 3 ( 0-0.5' ) (H213544-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	88.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.1	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: Sampling Type: Soil 12/10/2021

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: COG - EDDY CO NM

### Sample ID: H - 4 ( 0-0.5' ) (H213544-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/09/2021	ND	416	104	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	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	89.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.8	% 38.9-14	2						

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Celey D. Keene



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY CO NM

### Sample ID: H - 5 ( 0-0.5' ) (H213544-05)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	92.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.7	% 38.9-14	2						

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Celey D. Keene



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY CO NM

### Sample ID: H - 6 ( 0-0.5' ) (H213544-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.2	% 38.9-14	2						

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Celey D. Keine



### **Notes and Definitions**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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

City, State ZIP:

Midland, TX 79706 701 Tradewinds BLVD NTG Environmental Mike Carmona

City, State ZIP:

Loving, NM 88256 15 W Loving Rd Company Name: Bill to: (if different)

cog

State of Project:

Reporting:Level II Level III ST/UST TRRP

☐ Level IV ☐

Program: UST/PST ☐PRP ☐Brownfields ☐RRC

uperfund

으

**Work Order Comments** 

Jacqui Harris

ddress:

Company Name Project Manager

# **Chain of Custody**

Work Order No:

Page 9 of 9



December 10, 2021

MIKE CARMONA

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: HAMBONE FED 8 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil
Project Name: HAMBONE FED 8 CTB Sampling Condition: Coo

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: COG - EDDY CO NM

### Sample ID: S - 1 ( 0-1' ) (H213545-01)

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	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	17500	50.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	4220	50.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	237 9	% 38.9-14	2						

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Celey D. Keene



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: Sampling Type: Soil 12/10/2021

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: COG - EDDY CO NM

### Sample ID: S - 1 ( 1-1.5' ) (H213545-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	12400	50.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	2560	50.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	91.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	185 %	6 38.9-14	2						

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Celey D. Keene



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY CO NM

### Sample ID: S - 2 ( 0-1' ) (H213545-03)

BTEX 8021B

	9	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	180	90.2	200	0.578	
DRO >C10-C28*	268	10.0	12/09/2021	ND	203	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.7	% 38.9-14	2						

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Celey & Keene



### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY CO NM

### Sample ID: S - 2 ( 1-1.5') (H213545-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.90	95.2	2.00	9.59	
Toluene*	<0.050	0.050	12/09/2021	ND	1.87	93.7	2.00	8.27	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.84	91.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.59	93.1	6.00	9.36	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	12/09/2021	ND	416	104	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	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	11.4	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	95.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.9	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY CO NM

### Sample ID: S - 3 ( 0-1' ) (H213545-05)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	43600	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	105	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY CO NM

### Sample ID: S - 3 ( 1-1.5' ) (H213545-06)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	3970	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	193	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	180	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: COG - EDDY CO NM

### Sample ID: S - 4 ( 0-1' ) (H213545-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	30.2	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.2	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY CO NM

### Sample ID: S - 4 ( 1-1.5' ) (H213545-08)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	95.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.9	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: Sampling Type: Soil 12/10/2021

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: COG - EDDY CO NM

### Sample ID: S - 4 ( 2-2.5' ) (H213545-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	< 0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	103 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.0 9	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021 Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: COG - EDDY CO NM

### Sample ID: S - 5 ( 0-1' ) (H213545-10)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32400	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	183	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	22.8	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105 9	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY CO NM

### Sample ID: S - 5 ( 1-1.5' ) (H213545-11)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyac	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	34.4	10.0	12/09/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	99.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.6	% 38.9-14	2						

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### Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/08/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: HAMBONE FED 8 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY CO NM

### Sample ID: S - 5 ( 2-2.5' ) (H213545-12)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.3	% 38.9-14	2						

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### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Celeg D. Freene

## **Chain of Custody**



City, State ZIP:

Midland, TX 79706

City, State ZIP:

Loving, NM 88256 15 W Loving Rd

Reporting:Level II Level III PST/UST TRRP

☐ Level IV ☐

State of Project:

Program: UST/PST PRP Brownfields RRC

uperfund

**Work Order Comments** 

으

Company Name: Bill to: (if different)

cog

Jacqui Harris

701 Tradewinds BLVD NTG Environmental

Company Name:

	Phone: 4:	432-813-0263			Email:	Email: jacqui.harris@conocophillips.com	conocopi	hillips.	com						_	Deliverables: EDD	ables:	EDD		A	ADaPT		Other:	
	Project Name:	Hambo	Hambone Fed 8 CTB	В	Turn	Turn Around							ANAL	LYSIS REQUEST	REQU	EST						Prese	rvativ	Preservative Codes
	Project Number:	F	Pending		Routine	✓ Rush	Pres. Code										$\Box$			4		None: NO		DI Water: H <sub>2</sub> O
	Project Location	Edo	Eddy Co, NM		Due Date:	72 Hrs															$\Box$	Cool: Cool	_	MeOH: Me
	Sampler's Name:		ES		TAT starts the	TAT starts the day received by the	Ф		RO)						_		_	_			-	HCL: HC		HNO.: HN
	PO #:				lab, if recei	lab, if received by 4:30pm			+ MI											_	_	H,S0.: H,		NaOH: Na
	SAMPLE RECEIPT		Temp Blank:	Yes (No	Wet Ice:	Yes. No	eter	В	ORO	00			_								_	H. DO. HD		
	Received Intact:	Yes	No	Thermometer ID:	eter ID:	113	ram	3021	) + [	e 45	٠,	_		* 5			_					NaHSO - NARIS	BIC	h.
	Cooler Custody Seals:	Yes	0	Correction Factor:	Factor:	-0.50	Pa	EX 8	GRO	orid								_			HOL	Na.S.O.: NaSO.	So	
	Sample Custody Seals:	- 1		Temperati	Temperature Reading:	28.6		вт	М (	Chl												Zn Acetate+NaOH: Zn	HOEN FOO3	· 7n
	Total Containers:		1	Corrected	Corrected Temperature:	2.30			8015												7 1	NaOH+Ascorbic Acid: SAPC	rbic A	cid: SAPC
	,					Grab/		200 20	РΗ															
	Sample Identification	ication	Date	Time	Soil	Water Comp	Cont		т													Sampl	le Co	Sample Comments
-	S-1 (0-1')		12/8/2021		×	G	1	×	×	×	,			_		_	4	4	_	_	_			
N	S-1 (1-1.5)	3	12/8/2021		×	9	1	×	×	×					_	4	4	4	_	4	4			
CN	S-2 (0-1')		12/8/2021		×	G	1	×	×	×									4	4	4			
4	S-2 (1-1.5')	ن	12/8/2021		×	G	_	×	×	×				4		_	_	4	_	_	4			
01	S-3 (0-1')		12/8/2021		×	G	1	×	×	×			_	_		_	4	4	4	4	4			
6	S-3 (1-1.5')	()	12/8/2021		×	G	1	×	×	×			4	4	4	4	4	4	4	+	4			
7	S-4 (0-1')		12/8/2021		×	G	_	×	×	×			4	4	4	_	4	4	4	+	4			
de	S-4 (1-1.5')	)	12/8/2021		×	G	1	×	×	×			_	_	4	4	-	4	4	+	4			
72	S-4 (2-2.5')	3	.12/8/2021		×	G	1	×	×	×				_	4	_	_	_	_	-	4			
0	S-5 (0-1')		12/8/2021		×	G	1	×	×	×		Ц	Н	Н	Н	Н	Н	Н	Н		Щ			
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_	Relinquished by: (S	(Signature)	,	Received	Received by: (Signature)	e)		Date/Time	Time		Reli	Relinquished		by: (Signature)	nature		R	eceiv	Received by: (Signature)	(Sign	ature	(4)	Da	Date/Time
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																						Davies	A Data D	E012020 Bar 2020 4

Work
Order No:
H213545

City, State ZIP:

Midland, TX 79706

Company Name: Project Manager:

NTG Environmental Mike Carmona

701 Tradewinds BLVD

Address: City, State ZIP:

Company Name: Bill to: (if different)

cog

Jacqui Harris

15 W Loving Rd Loving, NM 88256

State of Project:

Program: UST/PST ☐PRP ☐Brownfields ☐RRC

uperfund

**Work Order Comments** 

9

Reporting:Level III Level III PST/UST

RRP Other:

☐ Level IV ☐

## **Chain of Custody**





Phone: 432-8	432-813-0263		Email:	Email: jacqui.harris@conocophillips.com	@conocop	hillips	.com						_	Deliver	Deliverables: EDD	EDD			ADaPT 🗆	ī	Other:
Project Name:	Hambone Fed 8 CTB	8	Turn	Turn Around							ANAL	LYSIS REQUEST	REQL	EST						Prese	Preservative Codes
Project Number:	Pending		Routine	✓ Rush	Pres. Code															None: NO	DI Water: H <sub>2</sub> O
Project Location	Eddy Co, NM		Due Date:	72 Hrs				$\neg$	$\exists$											Cool: Cool	MeOH: Me
Sampler's Name:	ES		TAT starts the o	TAT starts the day received by the	Te		RO)													HCI - HC	HNO. HN
PO#			lab, if receiv	lab, if received by 4:30pm			+ MI													H.SO.: H.	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes (No.	Wet Ice:	Xes No	eter	В	ORO	90								,				H_BO_HB	
Received Intact:	Yes No	Thermometer ID:	er ID:	113	ram	3021	) + [	e 45	-		į,		_	1.					- 1	NaHen N	ARIC
Cooler Custody Seals:	0	Correction Factor:	actor:	-0500	Pa	EX 8	GRO	orid						_	_				HOL	Na.S.O.: NaSO.	250
Sample Custody Seals:	No	Temperature Reading:	e Reading:	2×.		вт	м (	Chl					_	_	_					Zn Acetate+NaOH: Zn	Manu 7n
Total Containers:		Corrected Temperature:	emperature:	2.30			8015													NaOH+Asco	NaOH+Ascorbic Acid: SAPC
				Grah/	7		РН														
Sample Identification	on Date	Time	Soil	Water Comp	np Cont		т													Samp	Sample Comments
S-5 (1-1.5')	12/8/2021		×	G	<u>3</u>	×	×	×					4	4	4	4	_	_			
S-5 (2-2.5')	12/8/2021		×	G	1	×	×	×						_		_	_				
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## **ANALYTICAL REPORT**

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

Laboratory Job ID: 880-9872-1

Laboratory Sample Delivery Group: Eddy Co, NM Client Project/Site: Hambone Fed 8 CTB (11.18.21)

For:

NT Global 701 Tradewinds Blvd Midland, Texas 79706

Attn: Mike Carmona

MAMER

Authorized for release by: 1/10/2022 4:02:29 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

**Review your project** 

results through

·····LINKS ·······

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Released to Imaging: 2/28/2022 2:44:33 PM

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: Hambone Fed 8 CTB (11.18.21) Laboratory Job ID: 880-9872-1 SDG: Eddy Co, NM

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### **Definitions/Glossary**

Job ID: 880-9872-1 Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21)

SDG: Eddy Co, NM

### **Qualifiers**

### **GC VOA** Qualifier

F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

**Qualifier Description** 

### **GC Semi VOA**

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

### 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

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

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

Decision Level 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)

Negative / Absent NEG POS Positive / Present Practical Quantitation Limit PQL

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

**TNTC** Too Numerous To Count

Job ID: 880-9872-1

### **Case Narrative**

Client: NT Global

Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Job ID: 880-9872-1

**Laboratory: Eurofins Xenco** 

Narrative

Job Narrative 880-9872-1

### Receipt

The samples were received on 1/5/2022 9:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.4°C

### **GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-16036 and analytical batch 880-16037 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-16076 and analytical batch 880-16025 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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 880-16090 and analytical batch 880-16214 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 Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-1 (0-1')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-1

Matrix: Solid

5".	E

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 13:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 13:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 13:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/05/22 10:15	01/05/22 13:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 13:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/05/22 10:15	01/05/22 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/05/22 10:15	01/05/22 13:39	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109	70 - 130	01/05/22 10:15	01/05/22 13:39	1
1,4-Difluorobenzene (Surr)	106	70 - 130	01/05/22 10:15	01/05/22 13:39	1
_					

Method: Total BTEX - Total BTEX C	alculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/06/22 14:50	1

Method: 8015 NM - Diesel Range O	rganics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3960		49.9	mg/Kg			01/06/22 15:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9		49.9		mg/Kg	_ =	01/05/22 10:32	01/05/22 22:06	1
Diesel Range Organics (Over C10-C28)	3960	F1	49.9		mg/Kg		01/05/22 10:32	01/05/22 22:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/22 10:32	01/05/22 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				01/05/22 10:32	01/05/22 22:06	1

o-Terphenyl	92		70 - 130				01/05/22 10:32	01/05/22 22:06	1
Method: 300.0 - Anions, Ion Chrom	atography - S	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		99.8		mg/Kg			01/06/22 02:14	20

70 - 130

Omorido	11200	55.5	99	0 1/00/22 02:11
Client Sample ID: T-1 (1')				Lab Sample ID: 880-9872-2
Date Collected: 01/04/22 00:00				Matrix: Solid

Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/05/22 10:15	01/05/22 13:59	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/05/22 10:15	01/05/22 13:59	1

Client: NT Global

Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1

SDG: Eddy Co, NM

Client Sample ID: T-1 (1')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/22 14:50	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4560		50.0		mg/Kg			01/06/22 15:12	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/05/22 23:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	4560		50.0		mg/Kg		01/05/22 10:32	01/05/22 23:09	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/05/22 23:09	1
,					0 0				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				01/05/22 10:32	01/05/22 23:09	1
o-Terphenyl	123		70 - 130				01/05/22 10:32	01/05/22 23:09	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		50.4		mg/Kg			01/06/22 02:50	10

Client Sample ID: T-1 (2') Lab Sample ID: 880-9872-3 **Matrix: Solid** 

Date Collected: 01/04/22 00:00

Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/05/22 10:15	01/05/22 14:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/05/22 10:15	01/05/22 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				01/05/22 10:15	01/05/22 14:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/05/22 10:15	01/05/22 14:20	1
Method: Total BTEX - Total B	TEX Calculation								
Method: Total BTEX - Total BT	TEX Calculation	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total B	TEX Calculation			MDL	Unit mg/Kg	<u>D</u>			
Method: Total BTEX - Total BTAnalyte Total BTEX	TEX Calculation Result <0.00403	U	RL	MDL		<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte	TEX Calculation Result <0.00403  nge Organics (DR	U	RL			<u>D</u>		Analyzed	1
Method: Total BTEX - Total BTAnalyte Total BTEX  Method: 8015 NM - Diesel Rar	TEX Calculation Result <0.00403  nge Organics (DR	O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 01/06/22 14:50	1 Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Rar Analyte	rex Calculation Result <0.00403  rege Organics (DR Result <49.9	O) (GC) Qualifier U	RL 		mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Rar Analyte Total TPH  Method: 8015B NM - Diesel Rar	TEX Calculation Result <0.00403  age Organics (DR Result <49.9  ange Organics (D	O) (GC) Qualifier U	RL 	MDL	mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	1 Dil Fac
Method: Total BTEX - Total BTAnalyte Total BTEX  Method: 8015 NM - Diesel Rar Analyte Total TPH	TEX Calculation Result <0.00403  age Organics (DR Result <49.9  ange Organics (D	O) (GC) Qualifier U  RO) (GC) Qualifier	RL 0.00403 RL 49.9	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/06/22 14:50  Analyzed 01/06/22 15:12	Dil Fac

1

Client: NT Global

Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1 SDG: Eddy Co, NM

Client Sample ID: T-1 (2')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57 Lab Sample ID: 880-9872-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/05/22 10:32	01/05/22 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			01/05/22 10:32	01/05/22 23:29	1
o-Terphenyl	103		70 - 130			01/05/22 10:32	01/05/22 23:29	1

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride3204.98mg/Kg01/06/22 03:021

Client Sample ID: T-1 (3')

Date Collected: 01/04/22 00:00

Lab Sample ID: 880-9872-4

Matrix: Solid

Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:40	
Toluene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:40	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:40	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/05/22 10:15	01/05/22 14:40	
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/05/22 10:15	01/05/22 14:40	•
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/05/22 10:15	01/05/22 14:40	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				01/05/22 10:15	01/05/22 14:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130				01/05/22 10:15	01/05/22 14:40	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
								04/00/00 44-50	
Total BTEX : Method: 8015 NM - Diesel Range	•	O) (GC)	0.00404		mg/Kg			01/06/22 14:50	
			0.00404		mg/Kg			01/06/22 14:50	
Method: 8015 NM - Diesel Range Analyte	Organics (DR	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC) Qualifier		MDL		<u>D</u>	Prepared		Dil Fac
Method: 8015 NM - Diesel Range Analyte	Organics (DRO Result <49.9	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR) Result 49.9 ge Organics (DI)	O) (GC) Qualifier	RL		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Organics (DR) Result 49.9 ge Organics (DI)	Qualifier U RO) (GC) Qualifier	RL 49.9		Unit mg/Kg		· · · · ·	Analyzed 01/06/22 15:12	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Organics (DR)  Result  <49.9  ge Organics (D)  Result  <49.9	Qualifier U  RO) (GC) Qualifier U	RL 49.9 RL 49.9		Unit mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	Analyzed 01/06/22 15:12  Analyzed 01/05/22 23:50	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Organics (DR) Result 49.9 ge Organics (DR) Result	Qualifier U  RO) (GC) Qualifier U	RL 49.9		Unit mg/Kg		Prepared	Analyzed 01/06/22 15:12 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Organics (DR/Result <49.9)  ge Organics (D/Result <49.9) <p>&lt;49.9</p>	Qualifier U  RO) (GC) Qualifier U  U  U  U	RL 49.9  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 15:12  Analyzed 01/05/22 23:50 01/05/22 23:50	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Organics (DR)  Result  <49.9  ge Organics (D)  Result  <49.9	Qualifier U  RO) (GC) Qualifier U  U  U  U	RL 49.9 RL 49.9		Unit mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	Analyzed 01/06/22 15:12  Analyzed 01/05/22 23:50	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Organics (DR/Result <49.9)  ge Organics (D/Result <49.9) <p>&lt;49.9</p>	Qualifier U  RO) (GC) Qualifier U  U  U  U	RL 49.9  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 15:12  Analyzed 01/05/22 23:50 01/05/22 23:50	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Organics (DR/Result <49.9  ge Organics (D/Result <49.9  <49.9  <49.9	Qualifier U  RO) (GC) Qualifier U  U  U  U	RL 49.9  RL 49.9  49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 15:12  Analyzed 01/05/22 23:50 01/05/22 23:50	Dil Fac

**Eurofins Xenco** 

Dil Fac

Analyzed

01/06/22 03:14

RL

4.95

MDL Unit

mg/Kg

Prepared

Result Qualifier

333

Analyte

Chloride

Project/Site: Hambone Fed 8 CTB (11.18.21)

Client: NT Global

Job ID: 880-9872-1

SDG: Eddy Co, NM

Client Sample ID: T-2 (0-1')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 15:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/22 10:15	01/05/22 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 15:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/22 10:15	01/05/22 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				01/05/22 10:15	01/05/22 15:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/05/22 10:15	01/05/22 15:00	1
Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00400	U	0.00400		mg/Kg			01/06/22 14:50	1
: Method: 8015 NM - Diesel Range	e Organics (DR	O) (GC)							
Analyte	Result	O) (GC)  Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
			RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/06/22 15:12	
Analyte Total TPH	Result 6310	Qualifier		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result 6310  ge Organics (D	Qualifier				<u>D</u>	Prepared Prepared		1
Analyte Total TPH  Method: 8015B NM - Diesel Rangen	Result 6310  ge Organics (D	Qualifier  RO) (GC)  Qualifier	50.0		mg/Kg			01/06/22 15:12	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result 6310  ge Organics (Di Result <50.0	Qualifier  RO) (GC)  Qualifier	50.0 RL 50.0		mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed  01/06/22 07:23	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 6310  ge Organics (D	Qualifier  RO) (GC)  Qualifier	50.0		mg/Kg		Prepared	01/06/22 15:12  Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier  RO) (GC)  Qualifier  U	50.0  RL  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 07:23 01/06/22 07:23	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 6310  ge Organics (Di Result <50.0	Qualifier  RO) (GC)  Qualifier  U	50.0 RL 50.0		mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed  01/06/22 07:23	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier  RO) (GC) Qualifier U	50.0  RL  50.0  50.0  50.0  Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	01/06/22 15:12  Analyzed 01/06/22 07:23 01/06/22 07:23  Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier  RO) (GC) Qualifier U	50.0  RL  50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 07:23  01/06/22 07:23	Dil Face 1 1 1 Dil Face
Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier  RO) (GC) Qualifier U	50.0  RL  50.0  50.0  50.0  Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	01/06/22 15:12  Analyzed 01/06/22 07:23 01/06/22 07:23  Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier  RO) (GC) Qualifier U	50.0  RL 50.0  50.0  50.0  Limits 70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 07:23  01/06/22 07:23  Analyzed 01/06/22 07:23	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier  RO) (GC) Qualifier U	50.0  RL 50.0  50.0  50.0  Limits 70 - 130		mg/Kg  Unit mg/Kg  mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 07:23  01/06/22 07:23  Analyzed 01/06/22 07:23	Dil Fac

Client Sample ID: T-2 (1') Lab Sample ID: 880-9872-6 Date Collected: 01/04/22 00:00 **Matrix: Solid** 

Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 15:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 15:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 15:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/05/22 10:15	01/05/22 15:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 15:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/05/22 10:15	01/05/22 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				01/05/22 10:15	01/05/22 15:21	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/05/22 10:15	01/05/22 15:21	1

## **Client Sample Results**

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-2 (1')

Lab Sample ID: 880-9872-6

Date Collected: 01/04/22 00:00 Matrix: Solid Date Received: 01/05/22 09:57

Method: Total BTEX - Total BTEX									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/06/22 14:50	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7610		50.0		mg/Kg			01/06/22 15:12	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 07:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	7610		50.0		mg/Kg		01/05/22 10:32	01/06/22 07:44	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				01/05/22 10:32	01/06/22 07:44	1
o-Terphenyl	119		70 - 130				01/05/22 10:32	01/06/22 07:44	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10400		49.8		mg/Kg			01/10/22 15:45	10

Client Sample ID: T-4 (4') Lab Sample ID: 880-9872-7 **Matrix: Solid** 

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 15:41	
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 15:41	•
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 15:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 15:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 15:41	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 15:41	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				01/05/22 10:15	01/05/22 15:41	
1,4-Difluorobenzene (Surr) : Method: Total BTEX - Total BT	104 EX Calculation		70 - 130				01/05/22 10:15	01/05/22 15:41	
Method: Total BTEX - Total BT Analyte	EX Calculation	Qualifier U	70 - 130  RL 0.00398	MDL	Unit ma/Ka	<u>D</u>	01/05/22 10:15 Prepared	Analyzed 01/05/22 14:50	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	TEX Calculation Result <0.00398  age Organics (DR	U (GC)	RL		mg/Kg		Prepared	Analyzed 01/06/22 14:50	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte	TEX Calculation Result <0.00398  age Organics (DRO Result	U O) (GC) Qualifier			mg/Kg	<u>D</u>		Analyzed 01/06/22 14:50 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte	TEX Calculation Result <0.00398  age Organics (DR	U O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 01/06/22 14:50	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte Total TPH	TEX Calculation Result <0.00398  age Organics (DRO Result <50.0	O) (GC) Qualifier			mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte Total TPH  Method: 8015B NM - Diesel Ra	TEX Calculation Result <0.00398  age Organics (DR) Result <50.0  ange Organics (D	O) (GC) Qualifier		MDL	mg/Kg  Unit mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	TEX Calculation Result <0.00398  age Organics (DR) Result <50.0  ange Organics (D	O) (GC) Qualifier U  RO) (GC) Qualifier	RL 0.00398 RL 50.0	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/06/22 14:50  Analyzed 01/06/22 15:12	Dil Fac

Job ID: 880-9872-1

Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-4 (4') Lab Sample ID: 880-9872-7

Date Collected: 01/04/22 00:00 Matrix: Solid Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 08:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				01/05/22 10:32	01/06/22 08:04	1
o-Terphenyl	112		70 <sub>-</sub> 130				01/05/22 10:32	01/06/22 08:04	1

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 49.7 01/06/22 04:13 10 Chloride 2020 mg/Kg

Client Sample ID: T-2 (3') Lab Sample ID: 880-9872-8 Date Collected: 01/04/22 00:00 **Matrix: Solid** 

Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 16:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 16:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 16:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 16:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 16:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				01/05/22 10:15	01/05/22 16:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130				01/05/22 10:15	01/05/22 16:02	1
- Method: Total BTEX - Total BTE)	<b>Calculation</b>								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/22 14:50	1
•	•	, , ,	DI.	MDI	11-24	_	D d	Anahanad	D!! F-
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	•	Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/06/22 15:12	
Analyte Total TPH	Result <49.9	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <49.9  ge Organics (Di	Qualifier U				<u>D</u>	Prepared Prepared		1
Analyte Total TPH  . Method: 8015B NM - Diesel Rang	Result <49.9  ge Organics (Di	Qualifier U RO) (GC) Qualifier	49.9		mg/Kg	<u> </u>	· · ·	01/06/22 15:12	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte	Result <49.9  ge Organics (DI Result	Qualifier U RO) (GC) Qualifier	49.9		mg/Kg	<u> </u>	Prepared	01/06/22 15:12 Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9  ge Organics (DI Result	Qualifier U  RO) (GC) Qualifier U	49.9		mg/Kg	<u> </u>	Prepared	01/06/22 15:12 Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U  RO) (GC) Qualifier U	49.9  RL 49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 01:12  01/06/22 01:12	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9  ge Organics (DI Result <49.9	Qualifier U  RO) (GC) Qualifier U	49.9 RL 49.9		mg/Kg  Unit mg/Kg	<u> </u>	Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed  01/06/22 01:12	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  RO) (GC) Qualifier U  U	49.9  RL 49.9  49.9  49.9  Limits		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	Analyzed 01/06/22 01:12 01/06/22 01:12 01/06/22 01:12 Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U  RO) (GC) Qualifier U  U	49.9  RL 49.9  49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 01:12 01/06/22 01:12 01/06/22 01:12	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  RO) (GC) Qualifier U  U	49.9  RL 49.9  49.9  49.9  Limits		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	Analyzed 01/06/22 01:12 01/06/22 01:12 01/06/22 01:12 Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  RO) (GC) Qualifier U  U  Qualifier	49.9  RL 49.9  49.9  49.9  Limits 70 - 130		mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	Analyzed 01/06/22 01:12 01/06/22 01:12 01/06/22 01:12 Analyzed 01/06/22 01:12	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U  RO) (GC) Qualifier U  U  Qualifier	49.9  RL 49.9  49.9  49.9  Limits 70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg	<u> </u>	Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	Analyzed 01/06/22 01:12 01/06/22 01:12 01/06/22 01:12 Analyzed 01/06/22 01:12	Dil Fac

Project/Site: Hambone Fed 8 CTB (11.18.21)

Client: NT Global

Job ID: 880-9872-1

SDG: Eddy Co, NM

Client Sample ID: T-3 (0-1')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-9

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 17:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/05/22 10:15	01/05/22 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/05/22 17:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/05/22 10:15	01/05/22 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				01/05/22 10:15	01/05/22 17:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130				01/05/22 10:15	01/05/22 17:52	1
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/06/22 14:50	1
Analyte Total TPH		Qualifier		MDL	mg/Kg	D	Prepared	Analyzed	Dil Fac
Total TPH						— <u> </u>			
								01/06/22 15:12	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						01/06/22 15:12	1
	Result	Qualifier	RL	MDL		D	Prepared	01/06/22 15:12  Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier		MDL		<u>D</u>	Prepared 01/05/22 10:32		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier	RL	MDL	Unit	<u>D</u>	<u>.</u>	Analyzed	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result   <50.0	Qualifier	RL	MDL	Unit mg/Kg	<u> </u>	01/05/22 10:32	<b>Analyzed</b> 01/06/22 01:32	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result   <50.0	Qualifier U	RL	MDL	Unit mg/Kg	<u> </u>	01/05/22 10:32	<b>Analyzed</b> 01/06/22 01:32	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32	Analyzed 01/06/22 01:32 01/06/22 01:32	<b>Dil Fac</b> 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 167 <50.0	Qualifier U	RL 50.0 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u> </u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 01:32 01/06/22 01:32 01/06/22 01:32	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U		MDL	Unit mg/Kg mg/Kg	<u> </u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	Analyzed 01/06/22 01:32 01/06/22 01:32 01/06/22 01:32 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  U  Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared 01/05/22 10:32	Analyzed 01/06/22 01:32 01/06/22 01:32 01/06/22 01:32  Analyzed 01/06/22 01:32	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U  U  Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared 01/05/22 10:32	Analyzed 01/06/22 01:32 01/06/22 01:32 01/06/22 01:32  Analyzed 01/06/22 01:32	Dil Face  1  1  1  Dil Face

Client Sample ID: T-3 (1') Lab Sample ID: 880-9872-10

Date Collected: 01/04/22 00:00 **Matrix: Solid** Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 18:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				01/05/22 10:15	01/05/22 18:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/05/22 10:15	01/05/22 18:12	1

### **Client Sample Results**

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-3 (1') Lab Sample ID: 880-9872-10

Date Collected: 01/04/22 00:00 Matrix: Solid Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/22 14:50	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	292		50.0		mg/Kg			01/06/22 15:12	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 01:52	1
(GRO)-C6-C10									
Diesel Range Organics (Over	292		50.0		mg/Kg		01/05/22 10:32	01/06/22 01:52	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				01/05/22 10:32	01/06/22 01:52	1
o-Terphenyl	131	S1+	70 - 130				01/05/22 10:32	01/06/22 01:52	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9040		50.4		mg/Kg			01/06/22 04:48	10

Client Sample ID: T-3 (2') Lab Sample ID: 880-9872-11

Date Collected: 01/04/22 00:00 **Matrix: Solid** Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 18:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 18:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 18:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/05/22 10:15	01/05/22 18:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/05/22 18:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/05/22 10:15	01/05/22 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				01/05/22 10:15	01/05/22 18:33	1
. 2.0									
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT			70 - 130				01/05/22 10:15	01/05/22 18:33	
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT Analyte	EX Calculation	Qualifier	70 - 130  RL 0.00397	MDL	Unit mg/Kg	<u>D</u>	01/05/22 10:15 Prepared	01/05/22 18:33  Analyzed  01/06/22 14:50	Dil Fac
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT Analyte  Total BTEX  Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00397  ge Organics (DR	U (GC)	RL0.00397		mg/Kg		Prepared	Analyzed 01/06/22 14:50	Dil Fac
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00397  ge Organics (DRO Result	U O) (GC) Qualifier	RL 		mg/Kg	<u>D</u>		Analyzed 01/06/22 14:50 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	EX Calculation Result <0.00397  ge Organics (DR	U O) (GC) Qualifier	RL0.00397		mg/Kg		Prepared	Analyzed 01/06/22 14:50	Dil Fac
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT Analyte  Total BTEX  Method: 8015 NM - Diesel Ran Analyte	Result Quantity of the control of	O) (GC) Qualifier	RL 		mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT Analyte  Total BTEX  Method: 8015 NM - Diesel Ran Analyte  Total TPH	Result <a href="#"></a>	U O) (GC) Qualifier U	RL 	MDL	mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT Analyte  Total BTEX  Method: 8015 NM - Diesel Ran Analyte  Total TPH  Method: 8015B NM - Diesel Ran	Result <a href="#"></a>	O) (GC) Qualifier U  RO) (GC) Qualifier	RL 0.00397  RL 49.9	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/06/22 14:50  Analyzed 01/06/22 15:12	Dil Fac

Job ID: 880-9872-1

Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-3 (2') Lab Sample ID: 880-9872-11

Date Collected: 01/04/22 00:00 Matrix: Solid Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/05/22 10:32	01/06/22 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				01/05/22 10:32	01/06/22 02:33	1
o-Terphenyl	106		70 - 130				01/05/22 10:32	01/06/22 02:33	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.98 01/06/22 05:00 Chloride 315 mg/Kg

Client Sample ID: T-3 (3') Lab Sample ID: 880-9872-12 Date Collected: 01/04/22 00:00 **Matrix: Solid** 

Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:53	
Toluene	< 0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:53	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:53	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 18:53	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/05/22 18:53	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/05/22 18:53	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	86		70 - 130				01/05/22 10:15	01/05/22 18:53	
1,4-Difluorobenzene (Surr)	112		70 - 130				01/05/22 10:15	01/05/22 18:53	
Method: Total BTEX - Total BTEX	( Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/22 14:50	
Method: 8015 NM - Diesel Range	•	, , ,	D.	MDI	1114		Dunnanad	A a b a d	D:: E-
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
_	•	Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/06/22 15:12	
Analyte	Result <49.9	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <49.9  ge Organics (Di	Qualifier U				<u>D</u>	Prepared Prepared		
Analyte Total TPH  Method: 8015B NM - Diesel Rang	Result <49.9  ge Organics (Di	Qualifier U RO) (GC) Qualifier	49.9		mg/Kg			01/06/22 15:12	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <49.9  ge Organics (DI Result	Qualifier U  RO) (GC) Qualifier U	49.9		mg/Kg		Prepared	01/06/22 15:12 Analyzed	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9  ge Organics (DI Result <49.9	Qualifier U  RO) (GC) Qualifier U	49.9 RL 49.9		mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed  01/06/22 02:54	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result   <49.9	Qualifier U  RO) (GC) Qualifier U	49.9  RL 49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 02:54  01/06/22 02:54	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result   <49.9	Qualifier U  RO) (GC) Qualifier U  U	49.9  RL 49.9  49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 02:54  01/06/22 02:54	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result   <49.9	Qualifier U  RO) (GC) Qualifier U  U	49.9  RL 49.9  49.9  49.9  Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	Analyzed 01/06/22 02:54 01/06/22 02:54 01/06/22 02:54 Analyzed	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result   <49.9	Qualifier U  RO) (GC) Qualifier U  U  Qualifier	49.9  RL 49.9  49.9  49.9  Limits 70.130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 02:54  01/06/22 02:54  Analyzed 01/06/22 02:54	Dil Fa
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U  RO) (GC) Qualifier U  U  Qualifier	49.9  RL 49.9  49.9  49.9  Limits 70.130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 02:54  01/06/22 02:54  Analyzed 01/06/22 02:54	Dil Fa

Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-4 (0-1') Lab Sample ID: 880-9872-13

Date Collected: 01/04/22 00:00 Matrix: Solid Date Received: 01/05/22 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/05/22 10:15	01/06/22 07:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/05/22 10:15	01/06/22 07:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/05/22 10:15	01/06/22 07:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/05/22 10:15	01/06/22 07:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/05/22 10:15	01/06/22 07:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/05/22 10:15	01/06/22 07:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/05/22 10:15	01/06/22 07:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130				01/05/22 10:15	01/06/22 07:24	1
Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/06/22 14:50	1
Analyte Total TPH	Result<50.0	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH								·	
Total II II	<50.0	U	50.0		mg/Kg			01/06/22 15:12	1
- <sup>111</sup> -			50.0		mg/Kg			01/06/22 15:12	1
- <sup>111</sup> -			50.0		mg/Kg			01/06/22 15:12	1
- <sup>111</sup> -	ge Organics (D	RO) (GC)  Qualifier	50.0	MDL	mg/Kg Unit	D	Prepared	01/06/22 15:12  Analyzed	
Method: 8015B NM - Diesel Ran Analyte	ge Organics (D	RO) (GC)  Qualifier		MDL		<u>D</u>	<b>Prepared</b> 01/05/22 10:32		Dil Fac
Method: 8015B NM - Diesel Randanalyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (D Result <50.0	RO) (GC)  Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	01/05/22 10:32	Analyzed 01/06/22 03:14	Dil Fac
Method: 8015B NM - Diesel Randanalyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D	RO) (GC)  Qualifier	RL	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Method: 8015B NM - Diesel Randanalyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <50.0	RO) (GC) Qualifier U	RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 03:14 01/06/22 03:14	Dil Fac
Method: 8015B NM - Diesel Randanalyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <50.0	RO) (GC) Qualifier U	RL	MDL	Unit mg/Kg	<u>D</u>	01/05/22 10:32	Analyzed 01/06/22 03:14	Dil Fac
Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	ge Organics (D Result <50.0 <50.0 <50.0	RO) (GC) Qualifier U	FL 50.0 50.0 50.0 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 <b>Prepared</b>	Analyzed 01/06/22 03:14 01/06/22 03:14 01/06/22 03:14 Analyzed	Dil Fac 1 1
Method: 8015B NM - Diesel Randanalyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D Result <50.0 <50.0	RO) (GC) Qualifier U	RL 50.0 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32	Analyzed 01/06/22 03:14 01/06/22 03:14 01/06/22 03:14	Dil Fac 1 1
Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	ge Organics (D Result <50.0 <50.0 <50.0	RO) (GC) Qualifier U	FL 50.0 50.0 50.0 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 <b>Prepared</b>	Analyzed 01/06/22 03:14 01/06/22 03:14 01/06/22 03:14 Analyzed	Dil Face  1  1  1  Dil Face
Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	ge Organics (D Result <50.0 <50.0 <50.0 <80.0 %Recovery 109 107	RO) (GC) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared 01/05/22 10:32	Analyzed 01/06/22 03:14 01/06/22 03:14 01/06/22 03:14  Analyzed 01/06/22 03:14	1 Dil Fac 1 1 1 1 Dil Fac 1 1
Method: 8015B NM - Diesel Ran Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (D  Result  <50.0  <50.0  <50.0   **Recovery  109  107  romatography -	RO) (GC) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared 01/05/22 10:32	Analyzed 01/06/22 03:14 01/06/22 03:14 01/06/22 03:14  Analyzed 01/06/22 03:14	Dil Fac

Client Sample ID: T-4 (1') Lab Sample ID: 880-9872-14

Date Collected: 01/04/22 00:00 **Matrix: Solid** Date Received: 01/05/22 09:57

Date	Vecel	veu. t	1103122	09.51	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/06/22 07:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/06/22 07:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/06/22 07:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/06/22 07:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/05/22 10:15	01/06/22 07:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/05/22 10:15	01/06/22 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/05/22 10:15	01/06/22 07:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/05/22 10:15	01/06/22 07:44	1

### **Client Sample Results**

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-4 (1')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-14

01/06/22 20:56

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/06/22 14:50	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/06/22 15:12	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 03:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 03:35	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110	-	70 - 130				01/05/22 10:32	01/06/22 03:35	1
o-Terphenyl	110		70 - 130				01/05/22 10:32	01/06/22 03:35	1
-									
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: T-4 (2') Lab Sample ID: 880-9872-15 **Matrix: Solid** 

99.8

mg/Kg

16200 F1

Date Received: 01/05/22 09:57

Chloride

Date Collected: 01/04/22 00:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/06/22 08:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/06/22 08:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/06/22 08:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/05/22 10:15	01/06/22 08:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 10:15	01/06/22 08:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/05/22 10:15	01/06/22 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				01/05/22 10:15	01/06/22 08:05	1
	101		70 <sub>-</sub> 130				01/05/22 10:15	01/06/22 08:05	1
1,4-Difluorobenzene (Surr)  Method: Total BTEX - Total BT  Analyte	EX Calculation	Qualifier		MDL	Unit	D			
	EX Calculation						01/03/22 10:13	0 11 001 22 00:00	
	EX Calculation	<b>Qualifier</b> U	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/06/22 14:50	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX	CEX Calculation Result <0.00401	U	RL	MDL		<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00401  ge Organics (DR0	U	RL	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte	EX Calculation Result <0.00401  ge Organics (DR0	U O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 01/06/22 14:50	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte	Result	O) (GC) Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte Total TPH	Result	O) (GC) Qualifier	RL 0.00401	MDL	mg/Kg		Prepared	Analyzed 01/06/22 14:50 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX  Method: 8015 NM - Diesel Ran Analyte Total TPH  Method: 8015B NM - Diesel Ra	Result	O) (GC) Qualifier U  RO) (GC) Qualifier	RL 0.00401 RL 50.0	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/06/22 14:50  Analyzed 01/06/22 15:12	Dil Fac

Project/Site: Hambone Fed 8 CTB (11.18.21)

Client: NT Global

Job ID: 880-9872-1

SDG: Eddy Co, NM

Client Sample ID: T-4 (2')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-15

**Matrix: Solid** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 10:32	01/06/22 03:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				01/05/22 10:32	01/06/22 03:55	1
o-Terphenyl	104		70 - 130				01/05/22 10:32	01/06/22 03:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed 5.04 01/06/22 21:19 Chloride 106 mg/Kg

Client Sample ID: T-4 (3')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-16

**Matrix: Solid** 

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 01/05/22 10:15 01/06/22 08:25 mg/Kg Toluene <0.00202 U 0.00202 01/05/22 10:15 01/06/22 08:25 mg/Kg Ethylbenzene <0.00202 U 0.00202 01/05/22 10:15 01/06/22 08:25 mg/Kg m-Xylene & p-Xylene <0.00403 U 01/05/22 10:15 01/06/22 08:25 0.00403 mg/Kg o-Xylene <0.00202 U 0.00202 mg/Kg 01/05/22 10:15 01/06/22 08:25 01/05/22 10:15 Xylenes, Total <0.00403 U 0.00403 mg/Kg 01/06/22 08:25

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 96 70 - 130 01/05/22 10:15 01/06/22 08:25 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 87 70 - 130 01/05/22 10:15 01/06/22 08:25

**Method: Total BTEX - Total BTEX Calculation** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/06/22 14:50	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			01/06/22 15:12	1

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

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		01/05/22 10:32	01/06/22 04:16	1
<49.9	U	49.9		mg/Kg		01/05/22 10:32	01/06/22 04:16	1
<49.9	U	49.9		mg/Kg		01/05/22 10:32	01/06/22 04:16	1
	<49.9 <49.9	Result   Qualifier   U	<49.9 U 49.9 <49.9 U 49.9	<49.9 U 49.9 <49.9 U 49.9	<49.9 U 49.9 mg/Kg <49.9 U 49.9 mg/Kg	<49.9 U 49.9 mg/Kg <49.9 U 49.9 mg/Kg	<49.9 U	<49.9 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	01/05/22 10:32	01/06/22 04:16	1
o-Terphenyl	106		70 - 130	01/05/22 10:32	01/06/22 04:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Chloride	88.7		4.98		mg/Kg			01/06/22 21:27	1

### **Client Sample Results**

Client: NT Global Job ID: 880-9872-1
Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-4 (4')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57 Lab Sample ID: 880-9872-17

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/06/22 08:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/06/22 08:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/06/22 08:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/05/22 10:15	01/06/22 08:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/05/22 10:15	01/06/22 08:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/05/22 10:15	01/06/22 08:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				01/05/22 10:15	01/06/22 08:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/05/22 10:15	01/06/22 08:46	1
- Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/06/22 14:50	1
-									
Method: 8015 NM - Diesel Range	e Organics (DR	O) (GC)							
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
•	•	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/06/22 15:12	
Analyte		Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH  Method: 8015B NM - Diesel Rang	Result <50.0	Qualifier U				<u>D</u>	Prepared Prepared		1
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0		mg/Kg			01/06/22 15:12	1 Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte  Gasoline Range Organics (GRO)-C6-C10	Result <50.0  Ge Organics (D) Result <50.0	Qualifier U  RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed  01/06/22 04:36	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0  ge Organics (D Result	Qualifier U  RO) (GC) Qualifier U	50.0		mg/Kg		Prepared	01/06/22 15:12 Analyzed	Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0  Ge Organics (D) Result <50.0	Qualifier U  RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg  Unit mg/Kg		Prepared 01/05/22 10:32	01/06/22 15:12  Analyzed  01/06/22 04:36	1 Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U  RO) (GC) Qualifier U  U	50.0 RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 04:36 01/06/22 04:36	1 Dil Fac 1 1
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U  RO) (GC) Qualifier U  U	50.0  RL  50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32	01/06/22 15:12  Analyzed 01/06/22 04:36 01/06/22 04:36	Dil Fac  1  1  Dil Fac
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  RO) (GC) Qualifier U  U	50.0  RL  50.0  50.0  50.0  Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32 Prepared	01/06/22 15:12  Analyzed 01/06/22 04:36 01/06/22 04:36 01/06/22 04:36  Analyzed	Dil Fac   1   1
Analyte Total TPH  Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  RO) (GC) Qualifier U  U  Qualifier	50.0  RL 50.0  50.0  50.0  Limits 70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/05/22 10:32 01/05/22 10:32 01/05/22 10:32  Prepared 01/05/22 10:32	Analyzed 01/06/22 04:36 01/06/22 04:36 01/06/22 04:36 Analyzed 01/06/22 04:36	Dil Fac

4.95

mg/Kg

44.3

01/06/22 21:35

Chloride

## **Surrogate Summary**

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-9834-A-1-B MS	Matrix Spike	123	106	. — — — — — — —
880-9834-A-1-C MSD	Matrix Spike Duplicate	147 S1+	98	
880-9872-1	T-1 (0-1')	109	106	
880-9872-2	T-1 (1')	114	111	
880-9872-3	T-1 (2')	125	99	
880-9872-4	T-1 (3')	119	97	
880-9872-5	T-2 (0-1')	130	96	
880-9872-6	T-2 (1')	91	111	
380-9872-7	T-4 (4')	116	104	
380-9872-8	T-2 (3')	110	97	
880-9872-9	T-3 (0-1')	111	105	
880-9872-10	T-3 (1')	122	101	
880-9872-11	T-3 (2')	114	96	
880-9872-12	T-3 (3')	86	112	
880-9872-13	T-4 (0-1')	109	97	
880-9872-14	T-4 (1')	106	98	
880-9872-15	T-4 (2')	132 S1+	101	
880-9872-16	T-4 (3')	96	87	
880-9872-17	T-4 (4')	118	96	
LCS 880-16036/1-A	Lab Control Sample	124	114	
LCSD 880-16036/2-A	Lab Control Sample Dup	117	110	
MB 880-16036/5-A	Method Blank	125	107	

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 Recover
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-9872-1	T-1 (0-1')	99	92	· <del></del>
880-9872-1 MS	T-1 (0-1')	91	91	
880-9872-1 MSD	T-1 (0-1')	99	93	
880-9872-2	T-1 (1')	130	123	
880-9872-3	T-1 (2')	105	103	
880-9872-4	T-1 (3')	110	108	
880-9872-5	T-2 (0-1')	103	100	
880-9872-6	T-2 (1')	117	119	
880-9872-7	T-4 (4')	110	112	
880-9872-8	T-2 (3')	107	104	
880-9872-9	T-3 (0-1')	110	107	
880-9872-10	T-3 (1')	131 S1+	131 S1+	
880-9872-11	T-3 (2')	106	106	
880-9872-12	T-3 (3')	107	108	
880-9872-13	T-4 (0-1')	109	107	
880-9872-14	T-4 (1')	110	110	
880-9872-15	T-4 (2')	105	104	

### **Surrogate Summary**

Client: NT Global Job ID: 880-9872-1
Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-9872-16	T-4 (3')	106	106	
880-9872-17	T-4 (4')	107	108	
Surrogate Legend				
1CO = 1-Chlorooctane				

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-16076/2-A	Lab Control Sample	88	84	
LCSD 880-16076/3-A	Lab Control Sample Dup	92	86	
MB 880-16076/1-A	Method Blank	93	83	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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OTPH = o-Terphenyl

2

5

7

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10

12

13

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Project/Site: Hambone Fed 8 CTB (11.18.21)

Client: NT Global

Job ID: 880-9872-1

SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-16036/5-A

Lab Sample ID: LCS 880-16036/1-A

Lab Sample ID: LCSD 880-16036/2-A

**Matrix: Solid** 

Analysis Batch: 16037

Client Sample ID: Method Blank

Prep Type: Total/NA

ch: 16036

	Prep Batcl
MB MB	

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/05/22 07:51	01/05/22 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/05/22 07:51	01/05/22 11:51	1

MB MB

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125	70 - 130	01/05/22 07:51	01/05/22 11:51	1
1.4-Difluorobenzene (Surr)	107	70 - 130	01/05/22 07:51	01/05/22 11:51	1

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 16037 Prep Batch: 16036

	Spike	LUS	LUS				MRC.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07329		mg/Kg		73	70 - 130	
Toluene	0.100	0.08331		mg/Kg		83	70 - 130	
Ethylbenzene	0.100	0.09773		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	0.200	0.1798		mg/Kg		90	70 - 130	
o-Xylene	0.100	0.08924		mg/Kg		89	70 - 130	

LCS LCS

Surrogate	%Recovery Qua	alifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 16036

RPD LCSD LCSD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.07378 mg/Kg 74 70 - 130 35 Toluene 0.100 0.07754 mg/Kg 78 70 - 130 35 Ethylbenzene 0.100 0.09040 mg/Kg 90 70 - 130 8 35 m-Xylene & p-Xylene 0.200 0.1716 mg/Kg 86 70 - 130 35 0.100 0.09083 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD %Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 117 70 - 130 1,4-Difluorobenzene (Surr) 110 70 - 130

Lab Sample ID: 880-9834-A-1-B MS

**Matrix: Solid** 

**Matrix: Solid** 

**Analysis Batch: 16037** 

Analysis Batch: 16037

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

Prep Batch: 16036

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F2 F1	0.100	0.07835		mg/Kg		78	70 - 130	
Toluene	<0.00200	U F2 F1	0.100	0.06934	F1	mg/Kg		69	70 - 130	

Prep Batch: 16036

64

79

100

70 - 130

70 - 130

70 - 130

22

2

30

Prep Batch: 16076

### QC Sample Results

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

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

Lab Sample ID: 880-9834-A-1-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

**Matrix: Solid Analysis Batch: 16037** 

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D <0.00200 U F1 0.100 0.08013 80 70 - 130 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00399 0.201 0 1547 mg/Kg 77 70 - 130 <0.00200 U 0.100 0.07400 74 70 - 130 o-Xylene mg/Kg

MS MS Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 123 1,4-Difluorobenzene (Surr) 70 - 130 106

Lab Sample ID: 880-9834-A-1-C MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

**Matrix: Solid Analysis Batch: 16037** 

Prep Batch: 16036 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier %Rec RPD Limit babbA Result Qualifier Limits Analyte Unit Benzene <0.00200 U F2 F1 0.100 0.03918 F2 F1 mg/Kg 39 70 - 130 67 35 Toluene <0.00200 U F2 F1 0.100 0.02227 F2 F1 mg/Kg 22 70 - 130 103 35

0.06417 F1

mg/Kg

0.100

m-Xylene & p-Xylene < 0.00399 0.200 0.1585 mg/Kg 0.100 0.1002 o-Xylene <0.00200 U mg/Kg MSD MSD Qualifier Limits Surrogate %Recovery

U F1

4-Bromofluorobenzene (Surr) 147 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 70 - 130 98

<0.00200

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

Lab Sample ID: MB 880-16076/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Ethylbenzene

**Analysis Batch: 16025** 

мв мв Result Qualifier RL MDL Unit D Prepared Dil Fac Analyte Analyzed 01/05/22 10:32 <50.0 U 50.0 01/05/22 21:03 Gasoline Range Organics mg/Kg (GRO)-C6-C10 01/05/22 10:32 01/05/22 21:03 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 01/05/22 10:32 01/05/22 21:03 mg/Kg

MB MB

%Recovery Limits Qualifier Prepared Analyzed Surrogate 1-Chlorooctane 93 70 - 130 01/05/22 10:32 01/05/22 21:03 83 70 - 130 01/05/22 10:32 01/05/22 21:03 o-Terphenyl

Lab Sample ID: LCS 880-16076/2-A

**Matrix: Solid** 

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**Analysis Batch: 16025** 

LCS LCS %Rec. Spike Analyte Added Result Qualifier Unit %Rec Limits 1000 90 899 1 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 838.4 mg/Kg 84 70 - 130 C10-C28)

**Eurofins Xenco** 

35

35

35

Dil Fac

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

Prep Batch: 16076

Job ID: 880-9872-1

SDG: Eddy Co, NM

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

Project/Site: Hambone Fed 8 CTB (11.18.21)

Lab Sample ID: LCS 880-16076/2-A **Matrix: Solid** 

Lab Sample ID: LCSD 880-16076/3-A

**Analysis Batch: 16025** 

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16076

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 88 70 - 130 o-Terphenyl 84 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 16076

**Matrix: Solid Analysis Batch: 16025** 

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 910.4 91 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 781.0 78 20 mg/Kg 70 - 130C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 92 70 - 130 1-Chlorooctane o-Terphenyl 86 70 - 130

Lab Sample ID: 880-9872-1 MS Client Sample ID: T-1 (0-1')

Prep Type: Total/NA **Matrix: Solid** 

**Analysis Batch: 16025** Prep Batch: 16076 Sample Sample Spike MS MS %Rec.

Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 996 923.7 mg/Kg 91 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 3960 F1 996 4426 F1 mg/Kg 47 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 91 70 - 130 o-Terphenyl 91

Lab Sample ID: 880-9872-1 MSD Client Sample ID: T-1 (0-1')

**Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 16025** 

Prep Batch: 16076 Sample Sample MSD MSD

	Gampic	Oumpic	Opine	MOD	IIIOD				/01100.		IXI D	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.9	U	999	967.6		mg/Kg		95	70 - 130	5	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	3960	F1	999	4522	F1	mg/Kg		56	70 - 130	2	20	

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	93		70 - 130

Job ID: 880-9872-1

**Prep Type: Soluble** 

Client Sample ID: T-1 (0-1')

Client Sample ID: T-1 (0-1')

Client Sample ID: T-3 (2')

Client Sample ID: T-3 (2')

Client Sample ID: Method Blank

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec.

Limits

90 - 110

Client Sample ID: Lab Control Sample Dup

Unit

mg/Kg

D

%Rec

104

Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-16089/1-A

**Matrix: Solid** 

**Analysis Batch: 16106** 

MB MB

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 01/06/22 01:39

261.0

Lab Sample ID: LCS 880-16089/2-A

Matrix: Solid

**Analysis Batch: 16106** 

Spike LCS LCS Added Analyte Result Qualifier

Chloride

Lab Sample ID: LCSD 880-16089/3-A

**Analysis Batch: 16106** 

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 260.2 250 mg/Kg 104 90 - 110

250

Lab Sample ID: 880-9872-1 MS

**Matrix: Solid** 

**Matrix: Solid** 

**Analysis Batch: 16106** 

MS MS Sample Sample Spike %Rec. %Rec Added Analyte Result Qualifier Result Qualifier Unit D Limits Chloride 11200 4990 16040 90 - 110 mg/Kg

Lab Sample ID: 880-9872-1 MSD

**Matrix: Solid** 

**Analysis Batch: 16106** 

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 11200 4990 16330 104 90 - 110 mg/Kg

Lab Sample ID: 880-9872-11 MS

**Matrix: Solid** 

**Analysis Batch: 16106** 

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 315 250 573.0 mg/Kg 103 90 - 110

Lab Sample ID: 880-9872-11 MSD

**Matrix: Solid** 

**Analysis Batch: 16106** 

MSD MSD %Rec. RPD Sample Sample Spike Added Result Qualifier Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 315 250 567.5 mg/Kg 101 90 - 110

Lab Sample ID: MB 880-16090/1-A

**Matrix: Solid** 

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**Analysis Batch: 16214** 

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.00 Chloride <5.00 mg/Kg 01/06/22 20:32

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-16090/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 16214

Spike LCS LCS %Rec. Analyte Added Result Qualifier %Rec Limits Unit D Chloride 250 234.1 mg/Kg 94 90 - 110

Lab Sample ID: LCSD 880-16090/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 16214** 

Spike LCSD LCSD %Rec. RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 238.8 mg/Kg 96

Lab Sample ID: 880-9872-14 MS Client Sample ID: T-4 (1') **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 16214

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Chloride 16200 F1 4990 20290 F1 mg/Kg 90 - 110

Lab Sample ID: 880-9872-14 MSD Client Sample ID: T-4 (1') **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 16214** 

Sample Sample MSD MSD RPD Spike %Rec. Qualifier Added Qualifier RPD Limit Analyte Result Result Unit %Rec Limits Chloride 16200 4990 19750 F1 90 - 110 mg/Kg

Lab Sample ID: MB 880-16345/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 16431

MR MR

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <5.00 U 5.00 Chloride mg/Kg 01/10/22 11:48

Lab Sample ID: LCS 880-16345/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 16431

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 259.3 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-16345/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 16431** 

LCSD LCSD %Rec. RPD Spike Added Result Qualifier Limits RPD Limit Analyte Unit %Rec Chloride 250 255.8 mg/Kg 102 90 - 110 20

Lab Sample ID: 880-9992-A-4-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 16431** 

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	4350		1250	5495		mg/Kg		92	90 - 110	

### **QC Sample Results**

Job ID: 880-9872-1 Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21)

SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-9992-A-4-D MSD **Client Sample ID: Matrix Spike Duplicate Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 16431

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	4350		1250	5500		mg/Kg		92	90 - 110	0	20

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

### **GC VOA**

### Prep Batch: 16036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Total/NA	Solid	5035	
880-9872-2	T-1 (1')	Total/NA	Solid	5035	
880-9872-3	T-1 (2')	Total/NA	Solid	5035	
880-9872-4	T-1 (3')	Total/NA	Solid	5035	
880-9872-5	T-2 (0-1')	Total/NA	Solid	5035	
880-9872-6	T-2 (1')	Total/NA	Solid	5035	
880-9872-7	T-4 (4')	Total/NA	Solid	5035	
880-9872-8	T-2 (3')	Total/NA	Solid	5035	
880-9872-9	T-3 (0-1')	Total/NA	Solid	5035	
880-9872-10	T-3 (1')	Total/NA	Solid	5035	
880-9872-11	T-3 (2')	Total/NA	Solid	5035	
880-9872-12	T-3 (3')	Total/NA	Solid	5035	
880-9872-13	T-4 (0-1')	Total/NA	Solid	5035	
880-9872-14	T-4 (1')	Total/NA	Solid	5035	
880-9872-15	T-4 (2')	Total/NA	Solid	5035	
880-9872-16	T-4 (3')	Total/NA	Solid	5035	
880-9872-17	T-4 (4')	Total/NA	Solid	5035	
MB 880-16036/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16036/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16036/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9834-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-9834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

#### Analysis Batch: 16037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Total/NA	Solid	8021B	16036
880-9872-2	T-1 (1')	Total/NA	Solid	8021B	16036
880-9872-3	T-1 (2')	Total/NA	Solid	8021B	16036
880-9872-4	T-1 (3')	Total/NA	Solid	8021B	16036
880-9872-5	T-2 (0-1')	Total/NA	Solid	8021B	16036
880-9872-6	T-2 (1')	Total/NA	Solid	8021B	16036
880-9872-7	T-4 (4')	Total/NA	Solid	8021B	16036
880-9872-8	T-2 (3')	Total/NA	Solid	8021B	16036
880-9872-9	T-3 (0-1')	Total/NA	Solid	8021B	16036
880-9872-10	T-3 (1')	Total/NA	Solid	8021B	16036
880-9872-11	T-3 (2')	Total/NA	Solid	8021B	16036
880-9872-12	T-3 (3')	Total/NA	Solid	8021B	16036
880-9872-13	T-4 (0-1')	Total/NA	Solid	8021B	16036
880-9872-14	T-4 (1')	Total/NA	Solid	8021B	16036
880-9872-15	T-4 (2')	Total/NA	Solid	8021B	16036
880-9872-16	T-4 (3')	Total/NA	Solid	8021B	16036
880-9872-17	T-4 (4')	Total/NA	Solid	8021B	16036
MB 880-16036/5-A	Method Blank	Total/NA	Solid	8021B	16036
LCS 880-16036/1-A	Lab Control Sample	Total/NA	Solid	8021B	16036
LCSD 880-16036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16036
880-9834-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	16036
880-9834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16036

#### Analysis Batch: 16167

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	

Job ID: 880-9872-1 Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

### **GC VOA (Continued)**

### **Analysis Batch: 16167 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-2	T-1 (1')	Total/NA	Solid	Total BTEX	
880-9872-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-9872-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-9872-5	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-9872-6	T-2 (1')	Total/NA	Solid	Total BTEX	
880-9872-7	T-4 (4')	Total/NA	Solid	Total BTEX	
880-9872-8	T-2 (3')	Total/NA	Solid	Total BTEX	
880-9872-9	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-9872-10	T-3 (1')	Total/NA	Solid	Total BTEX	
880-9872-11	T-3 (2')	Total/NA	Solid	Total BTEX	
880-9872-12	T-3 (3')	Total/NA	Solid	Total BTEX	
880-9872-13	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-9872-14	T-4 (1')	Total/NA	Solid	Total BTEX	
880-9872-15	T-4 (2')	Total/NA	Solid	Total BTEX	
880-9872-16	T-4 (3')	Total/NA	Solid	Total BTEX	
880-9872-17	T-4 (4')	Total/NA	Solid	Total BTEX	

### GC Semi VOA

#### **Analysis Batch: 16025**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Total/NA	Solid	8015B NM	16076
880-9872-2	T-1 (1')	Total/NA	Solid	8015B NM	16076
880-9872-3	T-1 (2')	Total/NA	Solid	8015B NM	16076
880-9872-4	T-1 (3')	Total/NA	Solid	8015B NM	16076
880-9872-5	T-2 (0-1')	Total/NA	Solid	8015B NM	16076
880-9872-6	T-2 (1')	Total/NA	Solid	8015B NM	16076
880-9872-7	T-4 (4')	Total/NA	Solid	8015B NM	16076
880-9872-8	T-2 (3')	Total/NA	Solid	8015B NM	16076
880-9872-9	T-3 (0-1')	Total/NA	Solid	8015B NM	16076
880-9872-10	T-3 (1')	Total/NA	Solid	8015B NM	16076
880-9872-11	T-3 (2')	Total/NA	Solid	8015B NM	16076
880-9872-12	T-3 (3')	Total/NA	Solid	8015B NM	16076
880-9872-13	T-4 (0-1')	Total/NA	Solid	8015B NM	16076
880-9872-14	T-4 (1')	Total/NA	Solid	8015B NM	16076
880-9872-15	T-4 (2')	Total/NA	Solid	8015B NM	16076
880-9872-16	T-4 (3')	Total/NA	Solid	8015B NM	16076
880-9872-17	T-4 (4')	Total/NA	Solid	8015B NM	16076
MB 880-16076/1-A	Method Blank	Total/NA	Solid	8015B NM	16076
LCS 880-16076/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16076
LCSD 880-16076/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16076
880-9872-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	16076
880-9872-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	16076

### Prep Batch: 16076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9872-2	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-9872-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-9872-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-9872-5	T-2 (0-1')	Total/NA	Solid	8015NM Prep	

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

### GC Semi VOA (Continued)

### Prep Batch: 16076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-6	T-2 (1')	Total/NA	Solid	8015NM Prep	
880-9872-7	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-9872-8	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-9872-9	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-9872-10	T-3 (1')	Total/NA	Solid	8015NM Prep	
880-9872-11	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-9872-12	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-9872-13	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-9872-14	T-4 (1')	Total/NA	Solid	8015NM Prep	
880-9872-15	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-9872-16	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-9872-17	T-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-16076/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16076/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16076/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9872-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-9872-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 16174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-9872-2	T-1 (1')	Total/NA	Solid	8015 NM	
880-9872-3	T-1 (2')	Total/NA	Solid	8015 NM	
380-9872-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-9872-5	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-9872-6	T-2 (1')	Total/NA	Solid	8015 NM	
880-9872-7	T-4 (4')	Total/NA	Solid	8015 NM	
880-9872-8	T-2 (3')	Total/NA	Solid	8015 NM	
880-9872-9	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-9872-10	T-3 (1')	Total/NA	Solid	8015 NM	
880-9872-11	T-3 (2')	Total/NA	Solid	8015 NM	
880-9872-12	T-3 (3')	Total/NA	Solid	8015 NM	
880-9872-13	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-9872-14	T-4 (1')	Total/NA	Solid	8015 NM	
880-9872-15	T-4 (2')	Total/NA	Solid	8015 NM	
880-9872-16	T-4 (3')	Total/NA	Solid	8015 NM	
880-9872-17	T-4 (4')	Total/NA	Solid	8015 NM	

#### HPLC/IC

#### Leach Batch: 16089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9872-2	T-1 (1')	Soluble	Solid	DI Leach	
880-9872-3	T-1 (2')	Soluble	Solid	DI Leach	
880-9872-4	T-1 (3')	Soluble	Solid	DI Leach	
880-9872-5	T-2 (0-1')	Soluble	Solid	DI Leach	
880-9872-7	T-4 (4')	Soluble	Solid	DI Leach	
880-9872-8	T-2 (3')	Soluble	Solid	DI Leach	
880-9872-9	T-3 (0-1')	Soluble	Solid	DI Leach	
880-9872-10	T-3 (1')	Soluble	Solid	DI Leach	

Client: NT Global Project/Site: Hambone Fed 8 CTB (11.18.21) Job ID: 880-9872-1

SDG: Eddy Co, NM

### **HPLC/IC** (Continued)

### Leach Batch: 16089 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-11	T-3 (2')	Soluble	Solid	DI Leach	
880-9872-12	T-3 (3')	Soluble	Solid	DI Leach	
880-9872-13	T-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-16089/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16089/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16089/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9872-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9872-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-9872-11 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-9872-11 MSD	T-3 (2')	Soluble	Solid	DI Leach	

#### Leach Batch: 16090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-14	T-4 (1')	Soluble	Solid	DI Leach	
880-9872-15	T-4 (2')	Soluble	Solid	DI Leach	
880-9872-16	T-4 (3')	Soluble	Solid	DI Leach	
880-9872-17	T-4 (4')	Soluble	Solid	DI Leach	
MB 880-16090/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16090/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16090/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9872-14 MS	T-4 (1')	Soluble	Solid	DI Leach	
880-9872-14 MSD	T-4 (1')	Soluble	Solid	DI Leach	

#### **Analysis Batch: 16106**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-1	T-1 (0-1')	Soluble	Solid	300.0	16089
880-9872-2	T-1 (1')	Soluble	Solid	300.0	16089
880-9872-3	T-1 (2')	Soluble	Solid	300.0	16089
880-9872-4	T-1 (3')	Soluble	Solid	300.0	16089
880-9872-5	T-2 (0-1')	Soluble	Solid	300.0	16089
880-9872-7	T-4 (4')	Soluble	Solid	300.0	16089
880-9872-8	T-2 (3')	Soluble	Solid	300.0	16089
880-9872-9	T-3 (0-1')	Soluble	Solid	300.0	16089
880-9872-10	T-3 (1')	Soluble	Solid	300.0	16089
880-9872-11	T-3 (2')	Soluble	Solid	300.0	16089
880-9872-12	T-3 (3')	Soluble	Solid	300.0	16089
880-9872-13	T-4 (0-1')	Soluble	Solid	300.0	16089
MB 880-16089/1-A	Method Blank	Soluble	Solid	300.0	16089
LCS 880-16089/2-A	Lab Control Sample	Soluble	Solid	300.0	16089
LCSD 880-16089/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16089
880-9872-1 MS	T-1 (0-1')	Soluble	Solid	300.0	16089
880-9872-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	16089
880-9872-11 MS	T-3 (2')	Soluble	Solid	300.0	16089
880-9872-11 MSD	T-3 (2')	Soluble	Solid	300.0	16089

#### Analysis Batch: 16214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-14	T-4 (1')	Soluble	Solid	300.0	16090
880-9872-15	T-4 (2')	Soluble	Solid	300.0	16090
880-9872-16	T-4 (3')	Soluble	Solid	300.0	16090
880-9872-17	T-4 (4')	Soluble	Solid	300.0	16090

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Client: NT Global Job ID: 880-9872-1
Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

### **HPLC/IC** (Continued)

### **Analysis Batch: 16214 (Continued)**

Lab Sample ID MB 880-16090/1-A	Client Sample ID  Method Blank	Prep Type Soluble	Solid	Method 300.0	Prep Batch 16090
LCS 880-16090/2-A	Lab Control Sample	Soluble	Solid	300.0	16090
LCSD 880-16090/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16090
880-9872-14 MS	T-4 (1')	Soluble	Solid	300.0	16090
880-9872-14 MSD	T-4 (1')	Soluble	Solid	300.0	16090

#### Leach Batch: 16345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-6	T-2 (1')	Soluble	Solid	DI Leach	
MB 880-16345/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16345/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16345/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9992-A-4-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9992-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### Analysis Batch: 16431

Released to Imaging: 2/28/2022 2:44:33 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9872-6	T-2 (1')	Soluble	Solid	300.0	16345
MB 880-16345/1-A	Method Blank	Soluble	Solid	300.0	16345
LCS 880-16345/2-A	Lab Control Sample	Soluble	Solid	300.0	16345
LCSD 880-16345/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16345
880-9992-A-4-C MS	Matrix Spike	Soluble	Solid	300.0	16345
880-9992-A-4-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	16345

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Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1 SDG: Eddy Co, NM

Client Sample ID: T-1 (0-1')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 13:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 22:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		20			16106	01/06/22 02:14	CH	XEN MID

Client Sample ID: T-1 (1') Lab Sample ID: 880-9872-2 Date Collected: 01/04/22 00:00

Date Received: 01/05/22 09:57

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.03 g 5 mL 16036 01/05/22 10:15 KL XEN MID Total/NA 8021B 5 mL 01/05/22 13:59 KLXEN MID Analysis 1 5 mL 16037 Total/NA Total BTEX 16167 01/06/22 14:50 XEN MID Analysis 1 A.I Total/NA Analysis 8015 NM 16174 01/06/22 15:12 XEN MID Total/NA 16076 XEN MID Prep 8015NM Prep 10.00 g 01/05/22 10:32 DM 10 mL Total/NA Analysis 8015B NM 16025 01/05/22 23:09 AJ XEN MID Soluble XEN MID Leach DI Leach 4.96 g 50 mL 16089 01/05/22 11:32 CH Soluble Analysis 300.0 10 16106 01/06/22 02:50 CH XEN MID

Client Sample ID: T-1 (2')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 14:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 23:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		1			16106	01/06/22 03:02	CH	XEN MID

Client Sample ID: T-1 (3') Lab Sample ID: 880-9872-4 Date Collected: 01/04/22 00:00 Matrix: Solid

Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 14:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID

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Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1 SDG: Eddy Co, NM

Client Sample ID: T-1 (3')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57 Lab Sample ID: 880-9872-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/05/22 23:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		1			16106	01/06/22 03:14	CH	XEN MID

Client Sample ID: T-2 (0-1') Lab Sample ID: 880-9872-5 **Matrix: Solid** 

Date Collected: 01/04/22 00:00

Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 15:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 07:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		10			16106	01/06/22 03:25	CH	XEN MID

Client Sample ID: T-2 (1') Lab Sample ID: 880-9872-6 Date Collected: 01/04/22 00:00 **Matrix: Solid** 

Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 15:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 07:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16345	01/10/22 08:31	CH	XEN MID
Soluble	Analysis	300.0		10			16431	01/10/22 15:45	CH	XEN MID

Client Sample ID: T-4 (4') Lab Sample ID: 880-9872-7

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 15:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g	10 mL	16076 16025	01/05/22 10:32 01/06/22 08:04	DM AJ	XEN MID XEN MID

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Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1 SDG: Eddy Co, NM

Client Sample ID: T-4 (4')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57 Lab Sample ID: 880-9872-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		10			16106	01/06/22 04:13	CH	XEN MID

Client Sample ID: T-2 (3') Lab Sample ID: 880-9872-8

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 16:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 01:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		1			16106	01/06/22 04:25	CH	XEN MID

Client Sample ID: T-3 (0-1') Lab Sample ID: 880-9872-9

Date Collected: 01/04/22 00:00 **Matrix: Solid** 

Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 17:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 01:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		20			16106	01/06/22 04:36	CH	XEN MID

Client Sample ID: T-3 (1') Lab Sample ID: 880-9872-10

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 18:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 01:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		10			16106	01/06/22 04:48	CH	XEN MID

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Project/Site: Hambone Fed 8 CTB (11.18.21)

SDG: Eddy Co, NM

Client Sample ID: T-3 (2')

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57 Lab Sample ID: 880-9872-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 18:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 02:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		1			16106	01/06/22 05:00	CH	XEN MID

Lab Sample ID: 880-9872-12

Lab Sample ID: 880-9872-13

Lab Sample ID: 880-9872-14

Matrix: Solid

**Matrix: Solid** 

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

Client Sample ID: T-3 (3')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/05/22 18:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 02:54	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		1			16106	01/06/22 05:36	CH	XEN MID

Client Sample ID: T-4 (0-1')

Date Collected: 01/04/22 00:00

Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/06/22 07:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 03:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16089	01/05/22 11:32	CH	XEN MID
Soluble	Analysis	300.0		20			16106	01/06/22 16:00	CH	XEN MID

Client Sample ID: T-4 (1')

Date Collected: 01/04/22 00:00

Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/06/22 07:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID

**Eurofins Xenco** 

**Matrix: Solid** 

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Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1 SDG: Eddy Co, NM

Lab Sample ID: 880-9872-14

Matrix: Solid

Client Sample ID: T-4 (1')
Date Collected: 01/04/22 00:00
Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 03:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16090	01/05/22 11:34	CH	XEN MID
Soluble	Analysis	300.0		20			16214	01/06/22 20:56	CH	XEN MID

Client Sample ID: T-4 (2') Lab Sample ID: 880-9872-15 Date Collected: 01/04/22 00:00 **Matrix: Solid** 

Date Received: 01/05/22 09:57

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 4.99 g 5 mL 16036 01/05/22 10:15 KL XEN MID Total/NA Analysis 8021B 5 mL 5 mL 16037 01/06/22 08:05 KL XEN MID 1 Total/NA Total BTEX Analysis 1 16167 01/06/22 14:50 AJ XEN MID Total/NA 8015 NM 16174 01/06/22 15:12 XEN MID Analysis AJ Total/NA Prep 8015NM Prep 10.01 g 10 mL 16076 01/05/22 10:32 DM XEN MID Total/NA Analysis 8015B NM 16025 01/06/22 03:55 XEN MID AJSoluble Leach DI Leach 4.96 g 50 mL 16090 01/05/22 11:34 CH XEN MID Soluble Analysis 300.0 1 16214 01/06/22 21:19 CH XEN MID

Client Sample ID: T-4 (3') Date Collected: 01/04/22 00:00

Date Received: 01/05/22 09:57

Lab Sample ID: 880-9872-16 **Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/06/22 08:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16076	01/05/22 10:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16025	01/06/22 04:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16090	01/05/22 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			16214	01/06/22 21:27	CH	XEN MID

Client Sample ID: T-4 (4') Lab Sample ID: 880-9872-17

Date Collected: 01/04/22 00:00 Date Received: 01/05/22 09:57

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	16036	01/05/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16037	01/06/22 08:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16167	01/06/22 14:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16174	01/06/22 15:12	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	16076 16025	01/05/22 10:32 01/06/22 04:36	DM AJ	XEN MID XEN MID

**Eurofins Xenco** 

### Lab Chronicle

Client: NT Global Job ID: 880-9872-1
Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-9872-17

Date Collected: 01/04/22 00:00 Matrix: Solid
Date Received: 01/05/22 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	16090	01/05/22 11:34	СН	XEN MID
Soluble	Analysis	300.0		1			16214	01/06/22 21:35	CH	XEN MID

#### **Laboratory References:**

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

Eurofins Xenco

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## **Accreditation/Certification Summary**

Client: NT Global Job ID: 880-9872-1 Project/Site: Hambone Fed 8 CTB (11.18.21)

SDG: Eddy Co, NM

### **Laboratory: Eurofins Xenco**

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes the agency does not of	• •	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes f
Analysia Mathad				
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM	Prep Method	Solid	Analyte Total TPH	

### **Method Summary**

Client: NT Global

Project/Site: Hambone Fed 8 CTB (11.18.21)

Job ID: 880-9872-1

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

## **Sample Summary**

Client: NT Global Job ID: 880-9872-1

Project/Site: Hambone Fed 8 CTB (11.18.21) SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-9872-1	T-1 (0-1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-2	T-1 (1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-3	T-1 (2')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-4	T-1 (3')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-5	T-2 (0-1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-6	T-2 (1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-7	T-4 (4')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-8	T-2 (3')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-9	T-3 (0-1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-10	T-3 (1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-11	T-3 (2')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-12	T-3 (3')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-13	T-4 (0-1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-14	T-4 (1')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-15	T-4 (2')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-16	T-4 (3')	Solid	01/04/22 00:00	01/05/22 09:57
880-9872-17	T-4 (4')	Solid	01/04/22 00:00	01/05/22 09:57

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Notice Signature of this document and relinquishr of service. Xenco will be liable only for the cost of of Xenco. A minimum charge of \$85.00 will be app	oldice 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 service. A minimum charge of \$55.00 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 negotated.	company to Xenco, its affiliates and s or expenses incurred by the clien ed to Xenco, but not analyzed. The	subcontractors. It assigns standard terms if such losses are due to circumstances bey te terms will be enforced unless previously n	and conditions rond the control egotiated.	
Relinquished by; (Signature)	Received by: (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
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NTG ENVIRONMENTAL

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Project Manager N	Mike Carmona				Bill to (if different)	(ferent)	7	Jacqui Harris	arris						Work	Order C	Work Order Comments	
Company Name:	NTG Environmental	_		-	Company Name:	Name:	J	500				4	ogram. L	JST/PS1	□PRP	Brown	nfields   RRC	Program. UST/PST PRP Brownfields RRC Upperfund
Address. 7	701 Tradewinds BLVD	Q,			Address.		1	15 W Loving Rd	'ing Rd			š	State of Project:	oject:				
City, State ZIP:	Midland, TX 79706			_	City, State ZIP-	.ZIP:		Loving, NM 88256	W 88256			<u>~</u>	sporting L	evel II	] Level III	D <sub>ST</sub>	/UST   TRRP	Reporting Level II
Phone:	432-813-0263			Email	acqui.ha	rris@co	Email   jacqui.harris@conocophillips.com	ps.com				<u>ă</u> ]	Deliverables. EDD	s. EDD		ADaPT 🗆	□ Other	
Project Name	Hambone Fed 8 CTB	CTB (11 18 21)	21)	Tum	Turn Around					AN	ALYSIS	ANALYSIS REQUEST	ST				Preserval	Preservative Codes
Project Number	214971	71			✓ Rush		Pres. Code										None NO	DI Water H <sub>2</sub> O
Project Location	Eddy Co, NM	, NM	111	Due Date	72 HRS	RS											Cool Cool	MeOH Me
Sampler's Name:	CM	_		TAT starts the day received by the	ay received	1 by the											HCL HC	HNO, HN
PO#:				lab if receiv	ed by 4 30	md	s.	w +							Ngo:		H,S0, H,	NaOH Na
SAMPLE RECEIPT	T Tepap Blank		Yes (No	Wet Ice:	(§)	2	ıəşəı	В		 							H,PO, HP	
Received Infact:	(Yes A		Thermometer ID:	fer (D):	H	E	nsi			 							NaHSO, NABIS	
Cooler Custody Seals:	Yes No	MIA) CO	Correction Factor	Factor	1=	0	Бq	CBX 1	orid							ЮН	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> . NaSO <sub>3</sub>	
Sample Custody Seals.	Yes No	NE NE	mperatur	Temperature Reading:	5.					 							Zn Acetate+NaOH Zn	H Zu
Total Containers:		Š	rrected 7	Corrected Temperature:	7			108		 							NaOH+Ascorbic Acid SAPC	Acid SAPC
Sample Identification		Date	Time	Soil	Water	Grab/	Conf	HaT		 							Sample C	Sample Comments
T-1 (0-1')		1/4/2022		×		ď	-	×	×	+		$\perp$	-		-		87	
T-1 (1')		1/4/2022		×		ပ	-	×	×			lacksquare	-					2
T-1 (2')		1/4/2022		×		9	-	×	×	$\vdash$		$\vdash$						
T-1 (3')		1/4/2022		×		9	-	×	×	$\vdash$		$\vdash$						
T-2 (0-1')		1/4/2022		×		ပ	-	×	×									
T-2 (1')		1/4/2022		×		o	-	×	×									
T-4 (4')		1/4/2022		×		ပ	-	×	×	-								
T-2 (3')		1/4/2022		×		ŋ	-	×	×				_					
T-3 (0-1)		1/4/2022		×		ပ	-	×	×									
T-3 (1')		1/4/2022		×		ပ	-	×	×									
Additoin	Additoinal Comments:																	

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Michael   Mich	Work Order Comments  T PRP Brownfields RRC  Level III PST/UST PRRP E  D Nome NO COOI COOI OTHER HS/SQ, H2 HS/SQ, H2 HS/SQ, H2 HS/SQ, H3 HS/SQ, NSO3  Zh Acetate+NaOH  NAOH+Ascorbic A  Sample Co	Mork Order Comments  □ PRO Brownfields   PRC   Level IV    □ ADaPT   Other    None NO DI Water H <sub>2</sub> O Cool Cool MeOH Me H <sub>2</sub> SQ, H <sub>2</sub> NaOH Na H <sub>3</sub> SQ, H <sub>2</sub> NaOH Na H <sub>3</sub> SQ, H <sub>2</sub> NaSO, Zn Acetale+NaOH Zn NaOH+Ascorbic Acid SAPC    Sample Comments   Sample Comments	Mork Order Comments    DRP   Brownfields   DRC     Level III   DSTJUST   TRRP     ADaPT   Other     HCL HC   HSO4, HP     HS													
Silito (# different)   Solito (# different)	Work Order Comments  T PRP Brownfields RRC  Level III PST/UST PRRP  Preservativ None NO 0 Cool Cool T HySQ4, HyPQ4 HP HyPQ4, HP NAOH+Ascorbic A Sample Co	Work Order Comments    DRP   Brownfields   RRC   Level IV     Level III   DST/UST   TRRP   Level IV     ADaPT   Other     None NO DI Water H <sub>2</sub> O Cool Cool MeOH Me H <sub>2</sub> O <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>2</sub> O <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>2</sub> O <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>2</sub> O <sub>4</sub> NABIS     Bayso, NABIS   Nayso, NABIS   Nayso, NABIS   Nayso, NABIS   Nayso, NABIS   Nayso, NABIS   Nayso, NABIS   Nayson NaOH+Ascorbic Acid SAPC   Sample Comments     Sample Comments   Sa	Mork Order Comments    DRP   Brownfields   RRC   Level IV     Level III   DST/UST   TRRP   Level IV     ADaPT   Other   None NO DI Water H <sub>2</sub> O Cool Cool MeOH Me HCL HC HNO <sub>3</sub> HN H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> NaOH Na H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> NaOH Na H <sub>2</sub> SO <sub>4</sub> , NaSO <sub>3</sub> RASO <sub>3</sub> RASO <sub>3</sub> RASO <sub>3</sub> RASO <sub>3</sub> RASO <sub>3</sub> RASO <sub>4</sub> RASO <sub>5</sub> R												Page	7 10 7
Company Name   Comp	T   PRP   Brownfields   RRC     ADaPT   Other     None NO   Cool Cool     HySQ, Hy     HyPQ, HP     HyPQ, HP     HySQ, Hy     HySQ, Hy     HySQ, Hy     HySQ, NaSQ, Zh Acetate+NaOH     NaDH+Ascorbic A     Sample Co	Cool Cool MeOH No National Acception   Cool Cool Cool MeOH No H-Cool MeOH	Control   PST/UST   TRRP   Level IV		ш	ill to. (if different)		Jacqui	Harris					Nork Order	Comments	
Crys. State Zip:   Crys. State	Destrust   Preservativ   Pre	Devel III   Destrust   Devel IV   Devel IV	Devel III   Destrust   Devel IV   Devel IV		.0	ompany Name.		900					Program: UST/PST	PRP Brow	mfields RRC	-
State 219   Turn Around   District 219   District 219   Turn Around   Di	□ Level III □ DST/UST □ RRP □ ADaPT □ Other	Level III   PST/UST   TRRP   Level IV	Control   PST/UST   TRRP   Level IV	D	٩	ddress.		15 W L	ondon Re	-			State of Project			
18 21)	Preservation  Preservation  None NO  Cool Cool  HyPO4, HP  Sample CC  Sample CC	Preservative Codes  None NO DI Water H <sub>2</sub> O Cool Cool MeOH Me H <sub>2</sub> O <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>3</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>3</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>3</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na NaHSO <sub>4</sub> NABIS Rassociate NABIS Zin Acetate NABIS Rassociate NABIS Sample Comments  Sample Comments	Preservative Codes  None NO DI Water H <sub>2</sub> O Cool Cool MeOH Me H <sub>2</sub> S0 <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>2</sub> S0 <sub>4</sub> H <sub>2</sub> NaOH Na H <sub>3</sub> S0 <sub>5</sub> NaS0 <sub>3</sub> Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC Sample Comments  Sample Comments  red by (Signature)  Date/Time		C	ity, State ZIP:		Loving	VM 8825	9			Reporting Level II L	evel III PS		
Turn Around   Turn Around   Pres.   Pres.   Pres.   Pres.	Preservati None NO Cool Cool HCL HC H-S04, H-P H-S04, N-BIS D NaHS04, NABIS H-S04, N-BIS D NaHS04, NABIS NaS-30-3, NaSO-3 Zn Acetate+NaO-I NaOH+Ascorbuc A Sample CC	Preservati	Preservation None NO Cool Cool HCL HC H2S04. HP H3PO4. HP H3PO4. HP H3PO4. HP NAPS03. Zn Acetate+NaOl NaOH+Ascorbic A Sample Cc Sample Cc Sample Cc Do Cool Cool Cool Cool Cool Cool Cool C		Email	acqui.harris@c	onocophi	llips co	EI							
Course   C	Mone NO Cool Cool HCL HC H2504. HP H304. HP H305. NaSO3 Zn Acetate+NaO4 NaOH+Ascorbic A Sample CC	Mone NO Cool Cool HCL HC HS04. HP Hs04. HP NexS203. NexS03 Zn Acetate+NaOt NaOH+Ascorbic A Sample Cc	Mone NO Cool Cool HCL HC H <sub>2</sub> SQ., H <sub>2</sub> H <sub>2</sub> PO <sub>4</sub> HP NaHSO <sub>4</sub> NaSO <sub>3</sub> Zn AcetaterNaOr) NaOH+Ascorbic A Sample CC Sample CC		Tum	Iround					ANA	YSIS RE	QUEST		Preserva	five Codes
Mark   Due Date   72 HRS	Cool Cool HCL HC HCL HC H2SQ4, H2 H3PQ4, HP NaHSO4, NABIS OLD NAPSQ4, NASQ3 Zn Acetater-NaCO+ NaOH+Ascorbic A Sample CC	Cool Cool HCL HC H <sub>2</sub> SQ <sub>4</sub> , H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> HP H <sub>3</sub> PO <sub>4</sub> HP NaHSO <sub>4</sub> NaBIS Na <sub>5</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> Zn Acetate+NaOt NaOH+Ascorbic A Sample Cc	Cool Cool HCL HC H2SQ. H2 H2SQ. NaSQ. NaSQ.Q. NaSQ. Zn AcetaterNaOh NaOH+Ascorbic A Sample Cc Sample Cc		Routine	✓ Rush	Pres. Code								None NO	DI Water H <sub>2</sub> O
TAT starts the day received by the lab   Traceived traceived by the la	HCL HC H <sub>2</sub> SQ <sub>4</sub> H <sub>2</sub> H <sub>3</sub> PQ <sub>4</sub> HP H <sub>3</sub> PQ <sub>4</sub> HP NaHSO <sub>4</sub> NABIS Na <sub>5</sub> S <sub>5</sub> O <sub>5</sub> . NaSO <sub>3</sub> Zn Acetate+NaOl NaOH+Ascorbic A Sample CC	HCL HC H <sub>2</sub> SQ <sub>4</sub> , H <sub>2</sub> H <sub>3</sub> PQ <sub>4</sub> HP H <sub>3</sub> PQ <sub>4</sub> HP NaHSQ <sub>4</sub> NaSQ <sub>3</sub> Zn Acetate+NaO1 NaOH+Ascorbic A Sample Cc	HCL HC H2SQ. H2 H2SQ. H3 H3PQ, HP NaHSQ, NaSQ. Zn Acetate-NaOl- NaOH+Ascorbio A Sample Cc Sample Cc Sample Cc		e Date	72 HRS									C00 C00	MeOH Me
Thermometer ID	апон ного	попон попон	могр (Signatur	TA	T starts the da lab if receive	ny received by the ed by 4 30pm			(ORM +						HCL HC	HNO <sub>3</sub> HN
Thermometer ID	ногр	ногр	мография (Signatur	Yes	Net Ice	No (See	neten	8							H. DO. HD	1000
Time   Soil   Water   Group   Correction Factor   Temperature Reading   Time   Soil   Water   Group   Contected Temperature   Time   Soil   Water   Group   Time   Contected Temperature   Time   Ti	пон	лон	HOH (Signatur	Thermomete	٥	HAR	mer	1208						a-	NaHSO, NABI	ď
Time   Soil   Water   Compositive Reading   -1   3   BT			red by (Signatur		-stor-	-	e4	EX						10Н	No.N. O. S. eM	. (
Time   Soil   Water   Comp   Controlled Temperature;			red by (Signatur		Reading:		-	T8						I	7n Acetate+Na	3 2H Zn
Time   Soil   Water   Grab   # of			red by (Signatur	Corrected Tem	nperature:	_			108						NaOH+Ascorbi	Acid SAPC
			ved by (Signature)	L		-	# of		нат						Sample	Comments
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Chair of Custody

1/10/2022

### **Login Sample Receipt Checklist**

Client: NT Global Job Number: 880-9872-1 SDG Number: Eddy Co, NM

List Source: Eurofins Xenco

List Number: 1

Login Number: 9872

Creator: Rodriguez, Leticia

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.	N/A	No time on COC, logged in per container labels.
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	

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

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 82272

#### **CONDITIONS**

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	82272
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created	Condition	Condition
Ву		Date
jnobui	Remediation Plan Approved with Conditions: Composite sidewall and bottom hole samples will be collected every 200 square feet.	2/28/2022