



Site Information

Work Plan

Copperhead Fee 31 E CTB (09.07.21)

Eddy County, New Mexico

Incident #: NAPP2127034861

32.002089°, -104.029702°

Produced Water Release

Source: Hole in the transfer pump flex pipe

Release Date: 09/07/2021

Volume Released: 20 bbls/Produced Water

Volume Recovered: 7 bbls/Produced Water

Prepared for:

Concho 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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Midland, Texas 79706
Tel. 432.685.3898
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November 4, 2021

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

**Re: Work Plan
Copperhead Fee 31 E CTB
Concho Operating, LLC
Site Location: Unit E, S31, T26S, R29E
Incident #: NAPP2127034861
(Lat 32.002089°, Long -104.029702°)
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 Copperhead Fee 31 E CTB (09.07.21). The site is located at 32.002089°, -104.029702° within Unit E, S31, T26S, R29E, and approximately 15.61 miles south 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 leak was discovered on September 7, 2021, caused by a hole in the transfer pump flex pipe due to corrosion. It resulted in the release of approximately twenty (20) barrels of produced water, and seven (7) barrels of produced water were recovered. The impacted area measured approximately 245' x 21' and 230' x 21, 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, no known water source is within a ½ mile radius of the location. The nearest identified well is located approximately 2.53 miles Northwest of the site in S27, T26S, R28E and was drilled in 2017. The well has a reported depth to groundwater of 145' feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* 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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Site Assessment

On September 20, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of six (6) vertical sample points (S-1, S-2, S-3, S-4, S-5, and S-6) and nine (9) horizontal sample points (H-1 through H-9) were installed to total depths ranging from surface to 4.5 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 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 areas of (S-1 through S-3) had chloride concentration values ranging from 730 mg/kg to 8,460 mg/kg at a depth from the surface to 4.5' below the surface. The area of (S-4) had chloride concentrations ranging from 62.6 mg/kg to 7,280 mg/kg at a depth from the surface to 2.5' below the surface. The areas of (S-5 and S-6) had chloride concentrations ranging from 175 mg/kg to 7,280 mg/kg at a depth from surface to 1.5' below the surface.

Trenches

On October 7, 2021, NTGE personnel were on site to horizontally and vertically define the release. A total of three (3) trenches (T-1, T-2, and T-3) were installed to total depths ranging from surface to 12 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.

The area of (T-1) had high chloride concentration values ranging from 968 mg/kg to 15,800 mg/kg at a depth from the surface to 9.0' below the surface. The area of (T-2) had chloride concentration values ranging from 3,650 mg/kg to 11,600 mg/kg at a depth from the surface to 7.0' below the surface. The area of (T-3) had chloride concentration ranging from 698 mg/kg to 10,100 mg/kg at a depth of surface to 6.0'. All areas were vertically delineated (Refer to Table 1).

Proposed Work Plan

Based on the laboratory results, COG proposes to excavate the areas as shown in Figure 4 and highlighted (yellow) in Table 1. COG also proposes to drill a groundwater determination bore to 55' bgs (See Figure 3). Once achieved the Chloride concentration will be 20,000 mg/kg, and the TPH concentrations will be 2,500 mg/kg (GRO + DRO + MRO) and 1,000 mg/kg (GRO + DRO).

- The areas of S-1 (Trench-1), S-2 (Trench-2), and S-3 (Trench-3) will be excavated to 4.0' below surface and backfilled with clean material to grade.
- The area of S-4 will be excavated to a depth of 2.5' below surface backfilled with clean material to grade.
- The areas of S-5 and S-6 will be excavated to 1.5' below surface and backfilled with clean material to grade.

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. As such, COG will excavate the impacted soils to the maximum extent possible.

Composite sidewall and bottom hole samples will be collected every 200 square feet and analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B. Chloride by EPA method 300.0. COG estimates approximately 1,550 cubic yards to be removed and hauled to the nearest disposal.

Once the site and excavation activities 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.

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



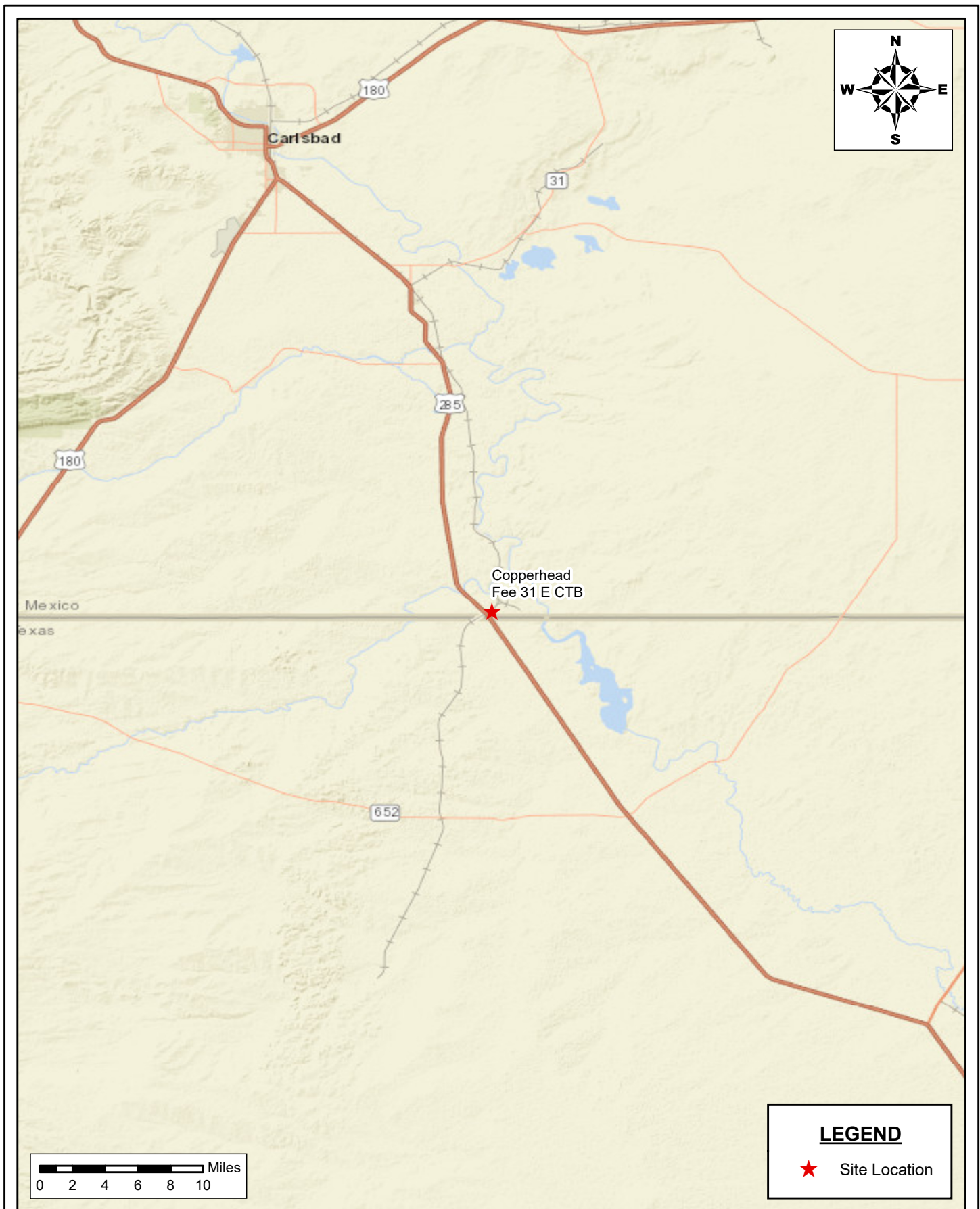
Mike Carmona
Senior Project Manager



Clinton Merritt
Project Manager



Figures



LEGEND

★ Site Location

SITE LOCATION MAP
COG OPERATING, LLC
 COPPERHEAD FEE 31 E CTB (09.07.21)
 EDDY COUNTY, NEW MEXICO
 32.0021511°, -104.2295609°

SCALE: As Shown Date: 11/2/2021 Project #:214672

New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntglobal.com



NOTES:

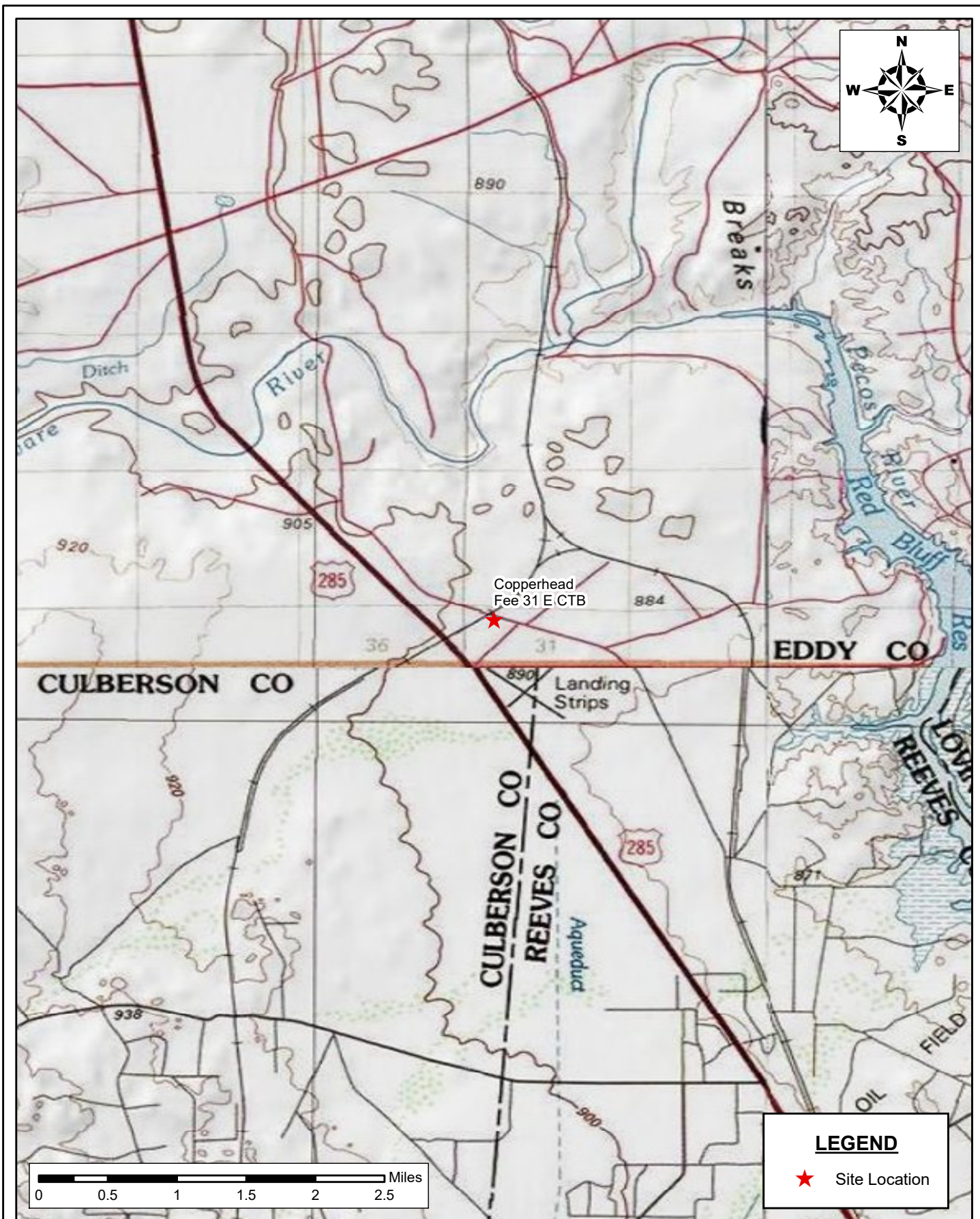
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



AREA MAP
COG OPERATING, LLC
 COPPERHEAD FEE 31 E CTB (07.07.21)
 EDDY COUNTY, NEW MEXICO
 32.002151°, -104.029560°

SCALE: As Shown

Date: 11/2/2021

Project #:214672



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NOTES:

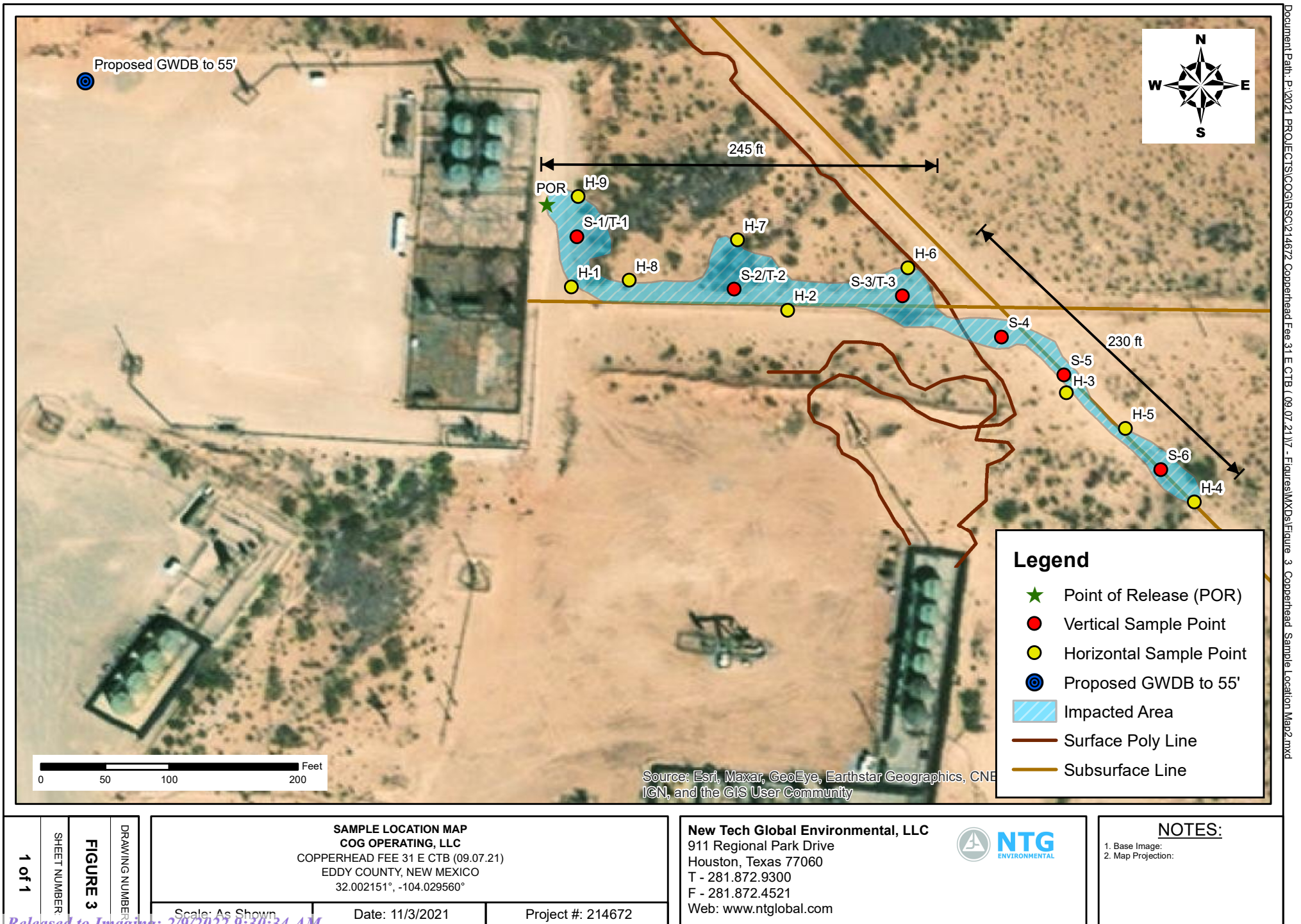
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

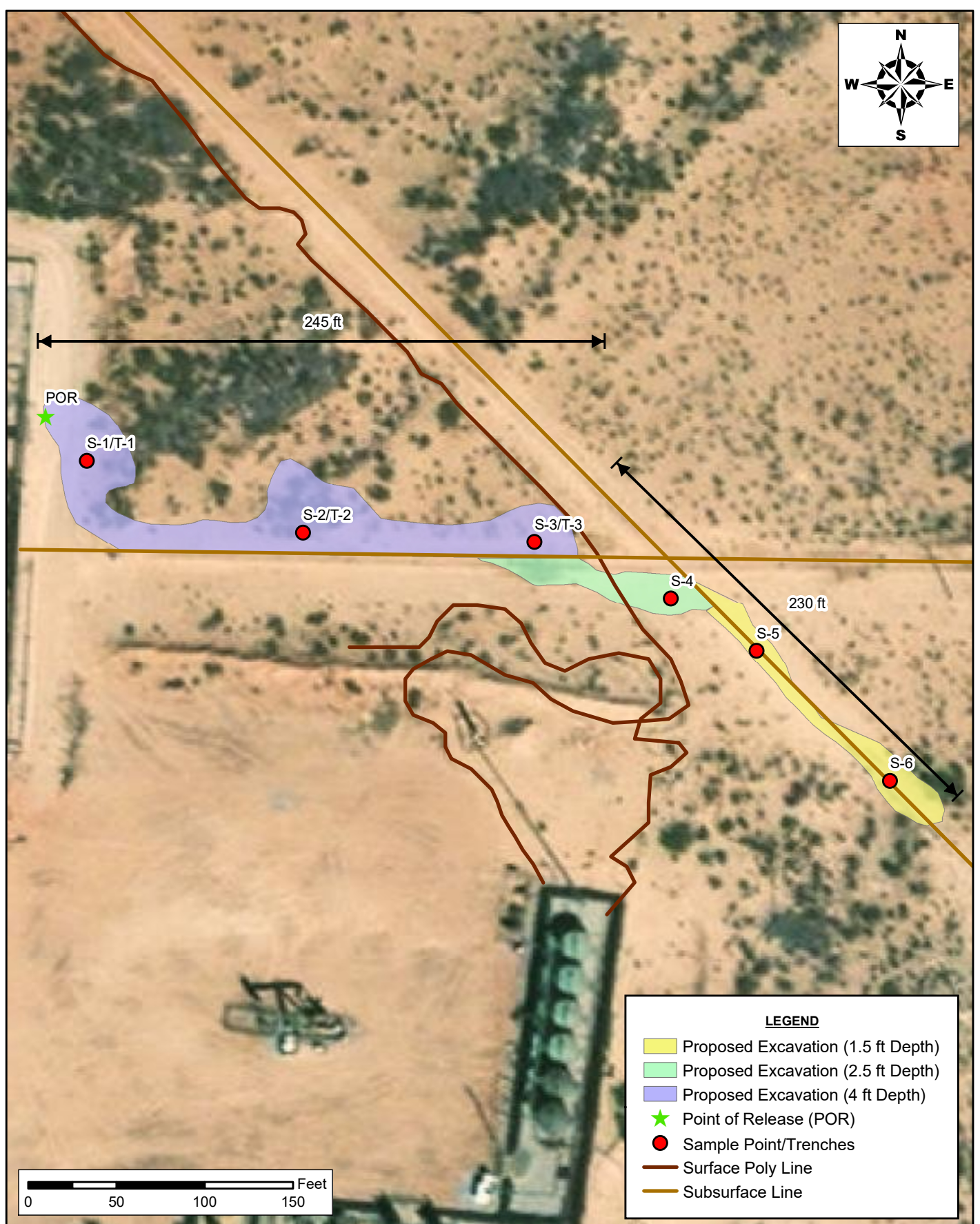
FIGURE 2

SHEET NUMBER:

1 of 1



Document Path: P:\2021 PROJECTS\COG\RSC\214672 Copperhead Fee 31 E CTB (09.07.21)\7 - Figures\MXD\Figure_4_Copperhead_Proposed Excavation Map.mxd



PROPOSED EXCAVATION AND DEPTH MAP
COG OPERATING, LLC
 COPPERHEAD FEE 31 E CTB (09.07.21)
 EDDY COUNTY, NEW MEXICO
 32.002151°, -104.029560°

SCALE: As Shown

Date: 11/3/2021

Project #:214672

New Tech Global Environmental, LLC
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**NOTES:**

1. Base Image: Google Earth
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1



Tables

Table 1
Concho Operating, LLC
Copperhead Fee 31 E CTB (09.07.21)
Eddy County, New Mexico

Sample ID	Date	Sample/Trenching Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	9/20/2021	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.0143	0.0143	6,150
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,680
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8,260
	"	3-3.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6,780
	"	4-4.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,360
Trench 1	10/7/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	15,800
	"	1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,000
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6,490
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,640
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,620
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,670
	"	6'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	746
	"	7'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	4,080
	"	8'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,000
	"	9'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	968
	"	10'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.4
	"	11'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.6
	"	12'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	41.3
S-2	9/20/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	8,040
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	8,460
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,150
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,900
	"	4-4.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,330
Trench 2	10/7/2021	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	7,820
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	11,600
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,490
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,050
	"	4'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8,220
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,810
	"	6'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,230
	"	7'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,650
	"	8'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	77.1
	"	9'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	58.9
	"	10'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	76.8
S-3	9/20/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7,520
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,110
	"	2-2.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,810
	"	3-3.5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	730
	"	4-4.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	901
Trench 3	10/7/2021	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	10,100
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	732
	"	2'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.7
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	437
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	142
	"	5'	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	144
	"	6'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	698
S-4	9/20/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7,280
	"	1-1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,240
	"	2-2.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.6
S-5	9/20/2021	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,190
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	175
S-6	9/20/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,500
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	492
Regulatory Limits^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^A - Proposed Excavation Depth

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Table 1
Concho Operating, LLC
Copperhead Fee 31 E CTB (09.07.21)
Eddy County, New Mexico

Sample ID	Date	Sample/Trenching Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
H-1	9/20/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	143
H-2	9/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11.3
H-3	9/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	11.2
H-4	9/20/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	11.2
H-5	9/20/2021	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.6
H-6	9/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.6
H-7	9/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	10.7
H-8	9/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	13.1
H-9	9/20/2021	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.3
Regulatory Limits^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

^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: Copperhead Fee 31 E CTB
(09.07.21)

County: Eddy County, New Mexico

Description:

View East, of proposed excavation area containing Trench 1.



Photograph No. 2

Facility: Copperhead Fee 31 E CTB
(09.07.21)

County: Eddy County, New Mexico

Description:

View Northeast, of proposed excavation area containing Trench 2.



Photograph No. 3

Facility: Copperhead Fee 31 E CTB
(09.07.21)

County: Eddy County, New Mexico

Description:

View West, of proposed excavation area containing Trench 3.



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 4

Facility: Copperhead Fee 31 E CTB
(09.07.21)

County: Eddy County, New Mexico

Description:

View East, of proposed excavation area containing Trench 4.



Photograph No. 5

Facility: Copperhead Fee 31 E CTB
(09.07.21)

County: Eddy County, New Mexico

Description:

View Southeast, of proposed excavation area containing Trench 5.



Photograph No. 6

Facility: Copperhead Fee 31 E CTB
(09.07.21)

County: Eddy County, New Mexico

Description:

View Southeast, of proposed excavation area containing Trench 6.





Appendix A

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2127034861
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	nAPP2127034861
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.001536 Longitude -104.028187
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Copperhead Fee 31E CTB	Site Type	Tank Battery
Date Release Discovered	September 7, 2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
E	31	26S	29E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Harrison, Harry Lee Jr ETAL (N-JT))

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 20	Volume Recovered (bbls) 7
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a hole in the transfer pump flex pipe due to corrosion. The release was in the pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	nAPP2127034861
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped. ☐ The impacted area has been secured to protect human health and the environment. ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name Brittany N. Esparza Signature:  email: Brittany.Esparza@ConocoPhillips.com	Title: Environmental Technician Date: 9/21/2021 Telephone: (432) 221-0398
<u>OCD Only</u> Received by: Ramona Marcus Date: 9/27/2021	

NAPP2127034861

L48 Spill Volume Estimate Form												
Facility Name & Number:		Copperhead Fee 31E CTB										
Asset Area:		DBWN										
Release Discovery Date & Time:		9/7/2021										
Release Type:		Produced Water										
Provide any known details about the event:		The release was caused by a hole in the transfer pump flex pipe due to corrosion.										
Spill Calculation - On Pad Surface Pool Spill												
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	240.0	54.0	0.25	3	12960.000	0.007	16.020	0.000	16.026			
Rectangle B	153.0	23.0	0.25	3	3519.000	0.007	4.350	0.000	4.351			
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
Total Volume Release:									20.377			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 52031

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 52031
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	None	9/27/2021

Incident ID	NAPP2127034861
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?	<u>145</u> (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 not 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

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

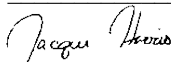
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2127034861
District RP	
Facility ID	
Application ID	

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

Printed Name: Jacqui Harris Title: Sr. Environmental EngineerSignature:  Date: 12/7/21email: jacqui.harris@conocophillips.com Telephone: 575.745.0780**OCD Only**

Received by: _____ Date: _____

Incident ID	NAPP2127034861
District RP	
Facility ID	
Application ID	

Remediation Plan

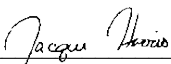
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

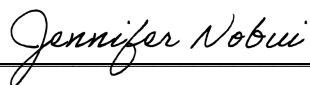
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public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

Printed Name: Jacqui Harris Title: Sr. Environmental Engineer
Signature:  Date: 12/8/21
email: jacqui.harris@conocophillips.com Telephone: 575.745.0780

OCD Only

Received by: _____ Date: _____

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 02/09/2022

✓



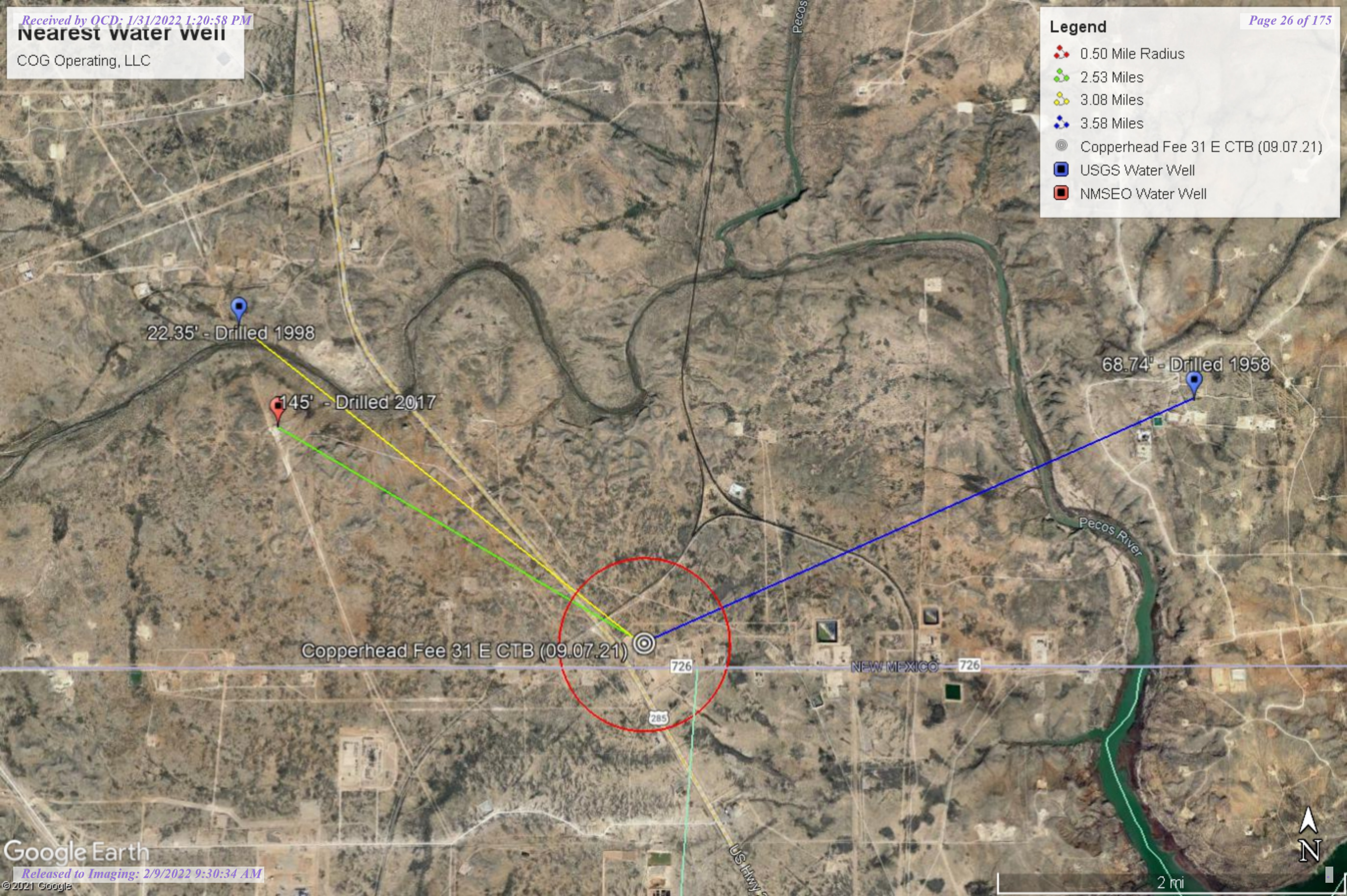
Appendix B

Nearest water well

COG Operating, LLC

Legend

- 0.50 Mile Radius
- 2.53 Miles
- 3.08 Miles
- 3.58 Miles
- Copperhead Fee 31 E CTB (09.07.21)
- USGS Water Well
- NMSEO Water Well



Medium Karst

COG Operating, LLC

Legend

- ⊙ Copperhead Fee 31 E CTB (09.07.21)
- HIGH
- MEDIUM

Copperhead Fee 31 E CTB (09.07.21) ⊙

Pecos River

726

TEXAS

726

285

Google Earth



1 mi



National Water Information System: Mapper



Site Information



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01354 X-3	CUB	ED		2	1	3	23	26S	29E	598323	3543837	170		
C 02038	C	ED		3	2	4	26	26S	29E	599204	3541992*	200		
C 03507 POD1	C	ED		1	3	3	05	26S	29E	593064	3548313	140	78	62
C 03508 POD1	C	ED		1	3	3	05	26S	29E	593063	3548361	140	75	65
C 03605 POD1	CUB	ED		4	2	3	27	26S	29E	596990	3541983	45	0	45
C 04561 POD1	CUB	ED		4	3	3	24	26S	29E	599924	3543208			

Average Depth to Water: **51 feet**

Minimum Depth: **0 feet**

Maximum Depth: **78 feet**

Record Count: 6

PLSS Search:

Township: 26S

Range: 29E

*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.

9/28/21 10:19 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD2	2	2	2	27	26S	28E	588106	3543082 

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/08/2017 **Drill Finish Date:** 05/12/2017 **Plug Date:**

Log File Date: 06/05/2017 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 60 GPM

Casing Size: 12.25 **Depth Well:** 250 feet **Depth Water:** 145 feet

Water Bearing Stratifications:	Top	Bottom	Description
	150	160	Sandstone/Gravel/Conglomerate
	160	180	Sandstone/Gravel/Conglomerate
	180	190	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	130	250

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POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

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Groundwater levels for New Mexico

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320145104041701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320145104041701 26S.28E.22.234431

Eddy County, New Mexico

Latitude 32°01'45", Longitude 104°04'17" NAD27

Land-surface elevation 2,980 feet above NGVD29

The depth of the well is 23.00 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1987-12-12			D 62610		2958.98	NGVD29	1		S	
1987-12-12			D 62611		2960.55	NAVD88	1		S	
1987-12-12			D 72019	21.02			1		S	
1998-01-22			D 62610		2957.65	NGVD29	1		S	
1998-01-22			D 62611		2959.22	NAVD88	1		S	
1998-01-22			D 72019	22.35			1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
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.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[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: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2021-09-21 21:11:49 EDT
0.28 0.24 nadww01



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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Groundwater levels for New Mexico

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320126103562801

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

USGS 320126103562801 26S.29E.22.340

Eddy County, New Mexico
Latitude 32°01'22", Longitude 103°58'26" NAD27
Land-surface elevation 2,888 feet above NGVD29
The depth of the well is 80 feet below land surface.
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 code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1958-08-18			D 62610		2819.26	NGVD29	1		Z	
1958-08-18			D 62611		2820.78	NAVD88	1		Z	
1958-08-18			D 72019	68.74			1		Z	

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

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320126103562801&agency_cd=USGS&format=html)



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Page Last Modified: 2021-09-21 21:14:35 EDT
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Appendix C



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-6344-1

Laboratory Sample Delivery Group: Eddy Co, NM

Client Project/Site: Copperhead Fee 31 E CTB (9.07.21)

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:
9/24/2021 7:32:28 PM

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

LINKS

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

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

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Laboratory Job ID: 880-6344-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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

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

Eurofins Xenco, Midland

Case Narrative

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Job ID: 880-6344-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-6344-1****Receipt**

The samples were received on 9/21/2021 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8209 and 880-8198 and analytical batch 880-8262 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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S2 (0-1') (880-6344-6), S3 (3-3.5') (880-6344-14), S5 (0-1') (880-6344-19), S5 (1-1.5') (880-6344-20), S6 (1-1.5') (880-6344-22) and (880-6345-A-8-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S6 (0-1') (880-6344-21) and (890-1287-A-1-E). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-8273 and analytical batch 880-8296 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S1 (1-1.5') (880-6344-2), S2 (1-1.5') (880-6344-7), S3 (4-4.5') (880-6344-15) and (MB 880-8273/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-8230 and analytical batch 880-8271 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: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Client Sample ID: S1 (0-1')

Lab Sample ID: 880-6344-1

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:53	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:53	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:53	1
m-Xylene & p-Xylene	0.0106	F1	0.00401		mg/Kg		09/22/21 09:00	09/23/21 16:53	1
o-Xylene	0.00371	F1	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:53	1
Xylenes, Total	0.0143	F1	0.00401		mg/Kg		09/22/21 09:00	09/23/21 16:53	1
Total BTEX	0.0143	F2 F1	0.00401		mg/Kg		09/22/21 09:00	09/23/21 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/22/21 09:00	09/23/21 16:53	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/22/21 09:00	09/23/21 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/23/21 21:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/22/21 15:35	09/23/21 21:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/23/21 21:19	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/23/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/22/21 15:35	09/23/21 21:19	1
o-Terphenyl	113		70 - 130	09/22/21 15:35	09/23/21 21:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6150		50.0		mg/Kg			09/23/21 14:13	10

Client Sample ID: S1 (1-1.5')

Lab Sample ID: 880-6344-2

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 17:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 17:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 17:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 17:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 17:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 17:14	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	09/22/21 09:00	09/23/21 17:14	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/22/21 09:00	09/23/21 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 22:22	1

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Client Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Client Sample ID: S1 (1-1.5')

Lab Sample ID: 880-6344-2

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/23/21 22:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 22:22	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				09/22/21 15:35	09/23/21 22:22	1
o-Terphenyl	142	S1+	70 - 130				09/22/21 15:35	09/23/21 22:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6680		50.5		mg/Kg			09/23/21 14:30	10

Client Sample ID: S1 (2-2.5')

Lab Sample ID: 880-6344-3

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				09/22/21 09:00	09/23/21 17:34	1
1,4-Difluorobenzene (Surr)	78		70 - 130				09/22/21 09:00	09/23/21 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/23/21 22:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/23/21 22:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/23/21 22:43	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/23/21 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/22/21 15:35	09/23/21 22:43	1
o-Terphenyl	130		70 - 130				09/22/21 15:35	09/23/21 22:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8260		49.7		mg/Kg			09/23/21 14:35	10

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Client Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Client Sample ID: S1 (3-3.5')

Lab Sample ID: 880-6344-4

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 17:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 17:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 17:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/21 09:00	09/23/21 17:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 17:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/21 09:00	09/23/21 17:55	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/22/21 09:00	09/23/21 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/22/21 09:00	09/23/21 17:55	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/22/21 09:00	09/23/21 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/23/21 23:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/23/21 23:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/23/21 23:04	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/23/21 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	09/22/21 15:35	09/23/21 23:04	1
o-Terphenyl	112		70 - 130	09/22/21 15:35	09/23/21 23:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6780		49.9		mg/Kg			09/23/21 14:41	10

Client Sample ID: S1 (4-4.5')

Lab Sample ID: 880-6344-5

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 18:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 18:15	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	09/22/21 09:00	09/23/21 18:15	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/22/21 09:00	09/23/21 18:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/23/21 23:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S1 (4-4.5')

Lab Sample ID: 880-6344-5

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/22/21 15:35	09/23/21 23:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/23/21 23:26	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/23/21 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/22/21 15:35	09/23/21 23:26	1
o-Terphenyl	108		70 - 130				09/22/21 15:35	09/23/21 23:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7360		49.5		mg/Kg			09/23/21 14:46	10

Client Sample ID: S2 (0-1')

Lab Sample ID: 880-6344-6

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				09/22/21 09:00	09/23/21 18:36	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/22/21 09:00	09/23/21 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 23:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/23/21 23:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 23:47	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 23:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/22/21 15:35	09/23/21 23:47	1
o-Terphenyl	125		70 - 130				09/22/21 15:35	09/23/21 23:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8040		49.6		mg/Kg			09/23/21 15:03	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S2 (1-1.5')

Lab Sample ID: 880-6344-7

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/22/21 09:00	09/23/21 18:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 18:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/22/21 09:00	09/23/21 18:56	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		09/22/21 09:00	09/23/21 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	09/22/21 09:00	09/23/21 18:56	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/22/21 09:00	09/23/21 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:08	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	09/22/21 15:35	09/24/21 00:08	1
o-Terphenyl	134	S1+	70 - 130	09/22/21 15:35	09/24/21 00:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8460		50.4		mg/Kg			09/23/21 15:09	10

Client Sample ID: S2 (2-2.5')

Lab Sample ID: 880-6344-8

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 19:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 19:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 19:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 19:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 19:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 19:16	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/22/21 09:00	09/23/21 19:16	1
1,4-Difluorobenzene (Surr)	75		70 - 130	09/22/21 09:00	09/23/21 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S2 (2-2.5')

Lab Sample ID: 880-6344-8

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:29	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/22/21 15:35	09/24/21 00:29	1
o-Terphenyl	116		70 - 130				09/22/21 15:35	09/24/21 00:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7150		49.8		mg/Kg			09/23/21 15:14	10

Client Sample ID: S2 (3-3.5')

Lab Sample ID: 880-6344-9

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				09/22/21 09:00	09/23/21 19:37	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				09/22/21 09:00	09/23/21 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 00:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/22/21 15:35	09/24/21 00:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 00:50	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/22/21 15:35	09/24/21 00:50	1
o-Terphenyl	110		70 - 130				09/22/21 15:35	09/24/21 00:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4900		101		mg/Kg			09/23/21 15:20	20

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S2 (4-4.5')

Lab Sample ID: 880-6344-10

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 19:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 19:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 19:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/21 09:00	09/23/21 19:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 19:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/21 09:00	09/23/21 19:57	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/22/21 09:00	09/23/21 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	09/22/21 09:00	09/23/21 19:57	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/22/21 09:00	09/23/21 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 01:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/24/21 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 01:11	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/22/21 15:35	09/24/21 01:11	1
o-Terphenyl	109		70 - 130	09/22/21 15:35	09/24/21 01:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		99.8		mg/Kg			09/23/21 15:26	20

Client Sample ID: S3 (0-1')

Lab Sample ID: 880-6344-11

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 21:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 21:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 21:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/21 09:00	09/23/21 21:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 21:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/21 09:00	09/23/21 21:19	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/22/21 09:00	09/23/21 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	09/22/21 09:00	09/23/21 21:19	1
1,4-Difluorobenzene (Surr)	88		70 - 130	09/22/21 09:00	09/23/21 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 01:53	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Client Sample ID: S3 (0-1')

Lab Sample ID: 880-6344-11

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/24/21 01:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 01:53	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/22/21 15:35	09/24/21 01:53	1
o-Terphenyl	116		70 - 130				09/22/21 15:35	09/24/21 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7520		50.1		mg/Kg			09/23/21 15:31	10

Client Sample ID: S3 (1-1.5')

Lab Sample ID: 880-6344-12

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/22/21 09:00	09/23/21 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/22/21 09:00	09/23/21 21:40	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/22/21 09:00	09/23/21 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:14	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/22/21 15:35	09/24/21 02:14	1
o-Terphenyl	127		70 - 130				09/22/21 15:35	09/24/21 02:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5110		25.1		mg/Kg			09/23/21 15:48	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Client Sample ID: S3 (2-2.5')

Lab Sample ID: 880-6344-13

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 22:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/23/21 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 22:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/23/21 22:00	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/23/21 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	09/22/21 09:00	09/23/21 22:00	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	09/22/21 09:00	09/23/21 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:36	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 15:35	09/24/21 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	09/22/21 15:35	09/24/21 02:36	1
o-Terphenyl	108		70 - 130	09/22/21 15:35	09/24/21 02:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1810		24.9		mg/Kg			09/23/21 15:54	5

Client Sample ID: S3 (3-3.5')

Lab Sample ID: 880-6344-14

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 22:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 22:21	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130	09/22/21 09:00	09/23/21 22:21	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/22/21 09:00	09/23/21 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 02:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S3 (3-3.5')

Lab Sample ID: 880-6344-14

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/22/21 15:35	09/24/21 02:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 02:57	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/22/21 15:35	09/24/21 02:57	1
o-Terphenyl	130		70 - 130				09/22/21 15:35	09/24/21 02:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730		5.00		mg/Kg			09/24/21 14:53	1

Client Sample ID: S3 (4-4.5')

Lab Sample ID: 880-6344-15

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				09/22/21 09:00	09/23/21 22:41	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				09/22/21 09:00	09/23/21 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:18	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				09/22/21 15:35	09/24/21 03:18	1
o-Terphenyl	133	S1+	70 - 130				09/22/21 15:35	09/24/21 03:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	901		50.0		mg/Kg			09/24/21 15:10	10

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S4 (0-1')

Lab Sample ID: 880-6344-16

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 23:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 23:01	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/22/21 09:00	09/23/21 23:01	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/22/21 09:00	09/23/21 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:39	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 03:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/22/21 15:35	09/24/21 03:39	1
o-Terphenyl	112		70 - 130	09/22/21 15:35	09/24/21 03:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7280		49.6		mg/Kg			09/24/21 15:27	10

Client Sample ID: S4 (1-1.5')

Lab Sample ID: 880-6344-17

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 23:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:00	09/23/21 23:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 23:22	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:00	09/23/21 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	09/22/21 09:00	09/23/21 23:22	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/22/21 09:00	09/23/21 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:01	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S4 (1-1.5')

Lab Sample ID: 880-6344-17

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:01	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				09/22/21 15:35	09/24/21 04:01	1
o-Terphenyl	120		70 - 130				09/22/21 15:35	09/24/21 04:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		5.04		mg/Kg			09/24/21 15:45	1

Client Sample ID: S4 (2-2.5')

Lab Sample ID: 880-6344-18

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/22/21 09:00	09/23/21 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				09/22/21 09:00	09/23/21 23:42	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/22/21 09:00	09/23/21 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 04:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/24/21 04:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 04:22	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/22/21 15:35	09/24/21 04:22	1
o-Terphenyl	114		70 - 130				09/22/21 15:35	09/24/21 04:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.6		4.97		mg/Kg			09/24/21 16:02	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Client Sample ID: S5 (0-1')

Lab Sample ID: 880-6344-19

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/21 09:00	09/24/21 00:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/21 09:00	09/24/21 00:03	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/22/21 09:00	09/24/21 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	09/22/21 09:00	09/24/21 00:03	1
1,4-Difluorobenzene (Surr)	72		70 - 130	09/22/21 09:00	09/24/21 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:43	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 15:35	09/24/21 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/22/21 15:35	09/24/21 04:43	1
o-Terphenyl	110		70 - 130	09/22/21 15:35	09/24/21 04:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5190		24.8		mg/Kg			09/24/21 16:20	5

Client Sample ID: S5 (1-1.5')

Lab Sample ID: 880-6344-20

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/24/21 00:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/24/21 00:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/24/21 00:23	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/24/21 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	09/22/21 09:00	09/24/21 00:23	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/22/21 09:00	09/24/21 00:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 05:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S5 (1-1.5')

Lab Sample ID: 880-6344-20

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/22/21 15:35	09/24/21 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 05:05	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/24/21 05:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/22/21 15:35	09/24/21 05:05	1
o-Terphenyl	120		70 - 130				09/22/21 15:35	09/24/21 05:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		5.01		mg/Kg			09/24/21 16:37	1

Client Sample ID: S6 (0-1')

Lab Sample ID: 880-6344-21

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		09/22/21 09:44	09/23/21 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				09/22/21 09:44	09/23/21 03:57	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/22/21 09:44	09/23/21 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:18	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				09/22/21 13:48	09/24/21 03:18	1
o-Terphenyl	143	S1+	70 - 130				09/22/21 13:48	09/24/21 03:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3500	F1	24.9		mg/Kg			09/23/21 07:33	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S6 (1-1.5')

Lab Sample ID: 880-6344-22

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:44	09/23/21 04:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:44	09/23/21 04:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:44	09/23/21 04:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:44	09/23/21 04:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:44	09/23/21 04:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:44	09/23/21 04:18	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:44	09/23/21 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	09/22/21 09:44	09/23/21 04:18	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/22/21 09:44	09/23/21 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:39	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 03:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/22/21 13:48	09/24/21 03:39	1
o-Terphenyl	119		70 - 130	09/22/21 13:48	09/24/21 03:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	492		4.95		mg/Kg			09/23/21 07:49	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-6344-1	S1 (0-1')	128	81
880-6344-1 MS	S1 (0-1')	115	85
880-6344-1 MSD	S1 (0-1')	117	81
880-6344-2	S1 (1-1.5')	126	81
880-6344-3	S1 (2-2.5')	124	78
880-6344-4	S1 (3-3.5')	127	84
880-6344-5	S1 (4-4.5')	131 S1+	78
880-6344-6	S2 (0-1')	134 S1+	75
880-6344-7	S2 (1-1.5')	122	79
880-6344-8	S2 (2-2.5')	127	75
880-6344-9	S2 (3-3.5')	124	62 S1-
880-6344-10	S2 (4-4.5')	132 S1+	80
880-6344-11	S3 (0-1')	131 S1+	88
880-6344-12	S3 (1-1.5')	119	83
880-6344-13	S3 (2-2.5')	125	64 S1-
880-6344-14	S3 (3-3.5')	153 S1+	82
880-6344-15	S3 (4-4.5')	139 S1+	58 S1-
880-6344-16	S4 (0-1')	115	81
880-6344-17	S4 (1-1.5')	116	83
880-6344-18	S4 (2-2.5')	129	81
880-6344-19	S5 (0-1')	138 S1+	72
880-6344-20	S5 (1-1.5')	137 S1+	79
880-6344-21	S6 (0-1')	127	75
880-6344-22	S6 (1-1.5')	131 S1+	77
LCS 880-8198/1-A	Lab Control Sample	114	86
LCS 880-8209/1-A	Lab Control Sample	119	88
LCSD 880-8198/2-A	Lab Control Sample Dup	122	72
LCSD 880-8209/2-A	Lab Control Sample Dup	110	82
MB 880-8142/5-A	Method Blank	107	76
MB 880-8198/5-A	Method Blank	119	82
MB 880-8209/5-A	Method Blank	109	79

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-6344-1	S1 (0-1')	104	113
880-6344-1 MS	S1 (0-1')	97	95
880-6344-1 MSD	S1 (0-1')	100	97
880-6344-2	S1 (1-1.5')	134 S1+	142 S1+
880-6344-3	S1 (2-2.5')	123	130
880-6344-4	S1 (3-3.5')	103	112
880-6344-5	S1 (4-4.5')	99	108
880-6344-6	S2 (0-1')	119	125

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Surrogate Summary

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-6344-7	S2 (1-1.5')	127	134 S1+
880-6344-8	S2 (2-2.5')	106	116
880-6344-9	S2 (3-3.5')	103	110
880-6344-10	S2 (4-4.5')	101	109
880-6344-11	S3 (0-1')	107	116
880-6344-12	S3 (1-1.5')	120	127
880-6344-13	S3 (2-2.5')	100	108
880-6344-14	S3 (3-3.5')	123	130
880-6344-15	S3 (4-4.5')	124	133 S1+
880-6344-16	S4 (0-1')	104	112
880-6344-17	S4 (1-1.5')	113	120
880-6344-18	S4 (2-2.5')	106	114
880-6344-19	S5 (0-1')	101	110
880-6344-20	S5 (1-1.5')	114	120
880-6344-21	S6 (0-1')	124	143 S1+
880-6344-22	S6 (1-1.5')	107	119
890-1287-A-1-F MS	Matrix Spike	104	107
890-1287-A-1-G MSD	Matrix Spike Duplicate	104	105
LCS 880-8266/2-A	Lab Control Sample	121	118
LCS 880-8273/2-A	Lab Control Sample	119	115
LCSD 880-8266/3-A	Lab Control Sample Dup	116	113
LCSD 880-8273/3-A	Lab Control Sample Dup	98	93
MB 880-8266/1-A	Method Blank	108	124
MB 880-8273/1-A	Method Blank	119	132 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8142/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/22/21 09:45	09/22/21 16:03	1
1,4-Difluorobenzene (Surr)	76		70 - 130	09/22/21 09:45	09/22/21 16:03	1

Lab Sample ID: MB 880-8198/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/22/21 09:44	09/23/21 02:55	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/22/21 09:44	09/23/21 02:55	1

Lab Sample ID: LCS 880-8198/1-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08388		mg/Kg		84	70 - 130
Toluene	0.100	0.08505		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08810		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1844		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09718		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-8198/2-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08359		mg/Kg		84	70 - 130	0	35
Toluene	0.100	0.08817		mg/Kg		88	70 - 130	4	35
Ethylbenzene	0.100	0.09335		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130	7	35
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	72		70 - 130

Lab Sample ID: MB 880-8209/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/23/21 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:00	09/23/21 16:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/23/21 16:32	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:00	09/23/21 16:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/22/21 09:00	09/23/21 16:32	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/22/21 09:00	09/23/21 16:32	1

Lab Sample ID: LCS 880-8209/1-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08814		mg/Kg		88	70 - 130
Toluene	0.100	0.08904		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09507		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1937		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09886		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-8209/2-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8209

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08945		mg/Kg		89	70 - 130	1	35

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-8209/2-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8209

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08939		mg/Kg		89	70 - 130	0	35
Ethylbenzene	0.100	0.09104		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130	2	35
o-Xylene	0.100	0.09707		mg/Kg		97	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 880-6344-1 MS

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: S1 (0-1')

Prep Type: Total/NA

Prep Batch: 8209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.100	0.07911		mg/Kg		78	70 - 130
Toluene	<0.00200	U F1	0.100	0.07577		mg/Kg		74	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07230		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.0106	F1	0.201	0.1415	F1	mg/Kg		65	70 - 130
o-Xylene	0.00371	F1	0.100	0.06909	F1	mg/Kg		65	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-6344-1 MSD

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: S1 (0-1')

Prep Type: Total/NA

Prep Batch: 8209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.05692	F1	mg/Kg		56	70 - 130	33	35
Toluene	<0.00200	U F1	0.101	0.05394	F1	mg/Kg		52	70 - 130	34	35
Ethylbenzene	<0.00200	U F2 F1	0.101	0.05035	F2 F1	mg/Kg		49	70 - 130	36	35
m-Xylene & p-Xylene	0.0106	F1	0.202	0.1014	F1	mg/Kg		45	70 - 130	33	35
o-Xylene	0.00371	F1	0.101	0.04955	F1	mg/Kg		45	70 - 130	33	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

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

Lab Sample ID: MB 880-8266/1-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1

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QC Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-8266/1-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	09/22/21 13:48	09/23/21 20:15	1
o-Terphenyl	124		70 - 130	09/22/21 13:48	09/23/21 20:15	1

Lab Sample ID: LCS 880-8266/2-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	972.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-8266/3-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	996.8		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-1287-A-1-F MS

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	935.5		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	904.3		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-1287-A-1-F MS

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8266

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	107		70 - 130

Lab Sample ID: 890-1287-A-1-G MSD

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	915.0		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	906.3		mg/Kg		91	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
<i>o</i> -Terphenyl	105		70 - 130

Lab Sample ID: MB 880-8273/1-A

Matrix: Solid

Analysis Batch: 8296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 20:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 20:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 20:15	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 15:35	09/23/21 20:15	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				09/22/21 15:35	09/23/21 20:15	1
1-Chlorooctane	119		70 - 130				09/22/21 15:35	09/23/21 20:15	1
<i>o</i> -Terphenyl	132	S1+	70 - 130				09/22/21 15:35	09/23/21 20:15	1

Lab Sample ID: LCS 880-8273/2-A

Matrix: Solid

Analysis Batch: 8296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1051		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1179		mg/Kg		118	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
<i>o</i> -Terphenyl	115		70 - 130

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QC Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-8273/3-A

Matrix: Solid

Analysis Batch: 8296

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	910.1		mg/Kg		91	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	958.4	*1	mg/Kg		96	70 - 130	21	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: 880-6344-1 MS

Matrix: Solid

Analysis Batch: 8296

Client Sample ID: S1 (0-1')

Prep Type: Total/NA

Prep Batch: 8273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	869.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U *1	997	947.7		mg/Kg		95	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: 880-6344-1 MSD

Matrix: Solid

Analysis Batch: 8296

Client Sample ID: S1 (0-1')

Prep Type: Total/NA

Prep Batch: 8273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	935.6		mg/Kg		92	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.8	U *1	999	990.4		mg/Kg		99	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	97		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8230/1-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/23/21 07:16	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-8230/2-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-8230/3-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	262.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-6344-21 MS

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: S6 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3500	F1	1240	4902	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-6344-21 MSD

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: S6 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3500	F1	1240	4922	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: MB 880-8231/1-A

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/23/21 13:56	1

Lab Sample ID: LCS 880-8231/2-A

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-8231/3-A

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	254.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-6344-1 MS

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: S1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6150		2500	8766		mg/Kg		105	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6344-1 MSD

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: S1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6150		2500	8775		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-6344-11 MS

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: S3 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7520		2510	10010		mg/Kg		99	90 - 110		

Lab Sample ID: 880-6344-11 MSD

Matrix: Solid

Analysis Batch: 8322

Client Sample ID: S3 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7520		2510	10020		mg/Kg		100	90 - 110	0	20

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 8142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8142/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 8198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-21	S6 (0-1')	Total/NA	Solid	5035	
880-6344-22	S6 (1-1.5')	Total/NA	Solid	5035	
MB 880-8198/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8198/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8198/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 8209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-1	S1 (0-1')	Total/NA	Solid	5035	
880-6344-2	S1 (1-1.5')	Total/NA	Solid	5035	
880-6344-3	S1 (2-2.5')	Total/NA	Solid	5035	
880-6344-4	S1 (3-3.5')	Total/NA	Solid	5035	
880-6344-5	S1 (4-4.5')	Total/NA	Solid	5035	
880-6344-6	S2 (0-1')	Total/NA	Solid	5035	
880-6344-7	S2 (1-1.5')	Total/NA	Solid	5035	
880-6344-8	S2 (2-2.5')	Total/NA	Solid	5035	
880-6344-9	S2 (3-3.5')	Total/NA	Solid	5035	
880-6344-10	S2 (4-4.5')	Total/NA	Solid	5035	
880-6344-11	S3 (0-1')	Total/NA	Solid	5035	
880-6344-12	S3 (1-1.5')	Total/NA	Solid	5035	
880-6344-13	S3 (2-2.5')	Total/NA	Solid	5035	
880-6344-14	S3 (3-3.5')	Total/NA	Solid	5035	
880-6344-15	S3 (4-4.5')	Total/NA	Solid	5035	
880-6344-16	S4 (0-1')	Total/NA	Solid	5035	
880-6344-17	S4 (1-1.5')	Total/NA	Solid	5035	
880-6344-18	S4 (2-2.5')	Total/NA	Solid	5035	
880-6344-19	S5 (0-1')	Total/NA	Solid	5035	
880-6344-20	S5 (1-1.5')	Total/NA	Solid	5035	
MB 880-8209/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8209/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8209/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6344-1 MS	S1 (0-1')	Total/NA	Solid	5035	
880-6344-1 MSD	S1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 8262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-1	S1 (0-1')	Total/NA	Solid	8021B	8209
880-6344-2	S1 (1-1.5')	Total/NA	Solid	8021B	8209
880-6344-3	S1 (2-2.5')	Total/NA	Solid	8021B	8209
880-6344-4	S1 (3-3.5')	Total/NA	Solid	8021B	8209
880-6344-5	S1 (4-4.5')	Total/NA	Solid	8021B	8209
880-6344-6	S2 (0-1')	Total/NA	Solid	8021B	8209
880-6344-7	S2 (1-1.5')	Total/NA	Solid	8021B	8209
880-6344-8	S2 (2-2.5')	Total/NA	Solid	8021B	8209
880-6344-9	S2 (3-3.5')	Total/NA	Solid	8021B	8209
880-6344-10	S2 (4-4.5')	Total/NA	Solid	8021B	8209
880-6344-11	S3 (0-1')	Total/NA	Solid	8021B	8209

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 8262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-12	S3 (1-1.5')	Total/NA	Solid	8021B	8209
880-6344-13	S3 (2-2.5')	Total/NA	Solid	8021B	8209
880-6344-14	S3 (3-3.5')	Total/NA	Solid	8021B	8209
880-6344-15	S3 (4-4.5')	Total/NA	Solid	8021B	8209
880-6344-16	S4 (0-1')	Total/NA	Solid	8021B	8209
880-6344-17	S4 (1-1.5')	Total/NA	Solid	8021B	8209
880-6344-18	S4 (2-2.5')	Total/NA	Solid	8021B	8209
880-6344-19	S5 (0-1')	Total/NA	Solid	8021B	8209
880-6344-20	S5 (1-1.5')	Total/NA	Solid	8021B	8209
880-6344-21	S6 (0-1')	Total/NA	Solid	8021B	8198
880-6344-22	S6 (1-1.5')	Total/NA	Solid	8021B	8198
MB 880-8142/5-A	Method Blank	Total/NA	Solid	8021B	8142
MB 880-8198/5-A	Method Blank	Total/NA	Solid	8021B	8198
MB 880-8209/5-A	Method Blank	Total/NA	Solid	8021B	8209
LCS 880-8198/1-A	Lab Control Sample	Total/NA	Solid	8021B	8198
LCS 880-8209/1-A	Lab Control Sample	Total/NA	Solid	8021B	8209
LCSD 880-8198/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8198
LCSD 880-8209/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8209
880-6344-1 MS	S1 (0-1')	Total/NA	Solid	8021B	8209
880-6344-1 MSD	S1 (0-1')	Total/NA	Solid	8021B	8209

GC Semi VOA

Prep Batch: 8266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-21	S6 (0-1')	Total/NA	Solid	8015NM Prep	
880-6344-22	S6 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-8266/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8266/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1287-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1287-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 8273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-1	S1 (0-1')	Total/NA	Solid	8015NM Prep	
880-6344-2	S1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-6344-3	S1 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-6344-4	S1 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-6344-5	S1 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-6344-6	S2 (0-1')	Total/NA	Solid	8015NM Prep	
880-6344-7	S2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-6344-8	S2 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-6344-9	S2 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-6344-10	S2 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-6344-11	S3 (0-1')	Total/NA	Solid	8015NM Prep	
880-6344-12	S3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-6344-13	S3 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-6344-14	S3 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-6344-15	S3 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-6344-16	S4 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 8273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-17	S4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-6344-18	S4 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-6344-19	S5 (0-1')	Total/NA	Solid	8015NM Prep	
880-6344-20	S5 (1-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-8273/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8273/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8273/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6344-1 MS	S1 (0-1')	Total/NA	Solid	8015NM Prep	
880-6344-1 MSD	S1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-21	S6 (0-1')	Total/NA	Solid	8015B NM	8266
880-6344-22	S6 (1-1.5')	Total/NA	Solid	8015B NM	8266
MB 880-8266/1-A	Method Blank	Total/NA	Solid	8015B NM	8266
LCS 880-8266/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8266
LCSD 880-8266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8266
890-1287-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	8266
890-1287-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8266

Analysis Batch: 8296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-1	S1 (0-1')	Total/NA	Solid	8015B NM	8273
880-6344-2	S1 (1-1.5')	Total/NA	Solid	8015B NM	8273
880-6344-3	S1 (2-2.5')	Total/NA	Solid	8015B NM	8273
880-6344-4	S1 (3-3.5')	Total/NA	Solid	8015B NM	8273
880-6344-5	S1 (4-4.5')	Total/NA	Solid	8015B NM	8273
880-6344-6	S2 (0-1')	Total/NA	Solid	8015B NM	8273
880-6344-7	S2 (1-1.5')	Total/NA	Solid	8015B NM	8273
880-6344-8	S2 (2-2.5')	Total/NA	Solid	8015B NM	8273
880-6344-9	S2 (3-3.5')	Total/NA	Solid	8015B NM	8273
880-6344-10	S2 (4-4.5')	Total/NA	Solid	8015B NM	8273
880-6344-11	S3 (0-1')	Total/NA	Solid	8015B NM	8273
880-6344-12	S3 (1-1.5')	Total/NA	Solid	8015B NM	8273
880-6344-13	S3 (2-2.5')	Total/NA	Solid	8015B NM	8273
880-6344-14	S3 (3-3.5')	Total/NA	Solid	8015B NM	8273
880-6344-15	S3 (4-4.5')	Total/NA	Solid	8015B NM	8273
880-6344-16	S4 (0-1')	Total/NA	Solid	8015B NM	8273
880-6344-17	S4 (1-1.5')	Total/NA	Solid	8015B NM	8273
880-6344-18	S4 (2-2.5')	Total/NA	Solid	8015B NM	8273
880-6344-19	S5 (0-1')	Total/NA	Solid	8015B NM	8273
880-6344-20	S5 (1-1.5')	Total/NA	Solid	8015B NM	8273
MB 880-8273/1-A	Method Blank	Total/NA	Solid	8015B NM	8273
LCS 880-8273/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8273
LCSD 880-8273/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8273
880-6344-1 MS	S1 (0-1')	Total/NA	Solid	8015B NM	8273
880-6344-1 MSD	S1 (0-1')	Total/NA	Solid	8015B NM	8273

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 8230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-21	S6 (0-1')	Soluble	Solid	DI Leach	
880-6344-22	S6 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-8230/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8230/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8230/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6344-21 MS	S6 (0-1')	Soluble	Solid	DI Leach	
880-6344-21 MSD	S6 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 8231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-1	S1 (0-1')	Soluble	Solid	DI Leach	
880-6344-2	S1 (1-1.5')	Soluble	Solid	DI Leach	
880-6344-3	S1 (2-2.5')	Soluble	Solid	DI Leach	
880-6344-4	S1 (3-3.5')	Soluble	Solid	DI Leach	
880-6344-5	S1 (4-4.5')	Soluble	Solid	DI Leach	
880-6344-6	S2 (0-1')	Soluble	Solid	DI Leach	
880-6344-7	S2 (1-1.5')	Soluble	Solid	DI Leach	
880-6344-8	S2 (2-2.5')	Soluble	Solid	DI Leach	
880-6344-9	S2 (3-3.5')	Soluble	Solid	DI Leach	
880-6344-10	S2 (4-4.5')	Soluble	Solid	DI Leach	
880-6344-11	S3 (0-1')	Soluble	Solid	DI Leach	
880-6344-12	S3 (1-1.5')	Soluble	Solid	DI Leach	
880-6344-13	S3 (2-2.5')	Soluble	Solid	DI Leach	
880-6344-14	S3 (3-3.5')	Soluble	Solid	DI Leach	
880-6344-15	S3 (4-4.5')	Soluble	Solid	DI Leach	
880-6344-16	S4 (0-1')	Soluble	Solid	DI Leach	
880-6344-17	S4 (1-1.5')	Soluble	Solid	DI Leach	
880-6344-18	S4 (2-2.5')	Soluble	Solid	DI Leach	
880-6344-19	S5 (0-1')	Soluble	Solid	DI Leach	
880-6344-20	S5 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-8231/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8231/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8231/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6344-1 MS	S1 (0-1')	Soluble	Solid	DI Leach	
880-6344-1 MSD	S1 (0-1')	Soluble	Solid	DI Leach	
880-6344-11 MS	S3 (0-1')	Soluble	Solid	DI Leach	
880-6344-11 MSD	S3 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 8271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-21	S6 (0-1')	Soluble	Solid	300.0	8230
880-6344-22	S6 (1-1.5')	Soluble	Solid	300.0	8230
MB 880-8230/1-A	Method Blank	Soluble	Solid	300.0	8230
LCS 880-8230/2-A	Lab Control Sample	Soluble	Solid	300.0	8230
LCSD 880-8230/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8230
880-6344-21 MS	S6 (0-1')	Soluble	Solid	300.0	8230
880-6344-21 MSD	S6 (0-1')	Soluble	Solid	300.0	8230

Analysis Batch: 8322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-1	S1 (0-1')	Soluble	Solid	300.0	8231

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 8322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6344-2	S1 (1-1.5')	Soluble	Solid	300.0	8231
880-6344-3	S1 (2-2.5')	Soluble	Solid	300.0	8231
880-6344-4	S1 (3-3.5')	Soluble	Solid	300.0	8231
880-6344-5	S1 (4-4.5')	Soluble	Solid	300.0	8231
880-6344-6	S2 (0-1')	Soluble	Solid	300.0	8231
880-6344-7	S2 (1-1.5')	Soluble	Solid	300.0	8231
880-6344-8	S2 (2-2.5')	Soluble	Solid	300.0	8231
880-6344-9	S2 (3-3.5')	Soluble	Solid	300.0	8231
880-6344-10	S2 (4-4.5')	Soluble	Solid	300.0	8231
880-6344-11	S3 (0-1')	Soluble	Solid	300.0	8231
880-6344-12	S3 (1-1.5')	Soluble	Solid	300.0	8231
880-6344-13	S3 (2-2.5')	Soluble	Solid	300.0	8231
880-6344-14	S3 (3-3.5')	Soluble	Solid	300.0	8231
880-6344-15	S3 (4-4.5')	Soluble	Solid	300.0	8231
880-6344-16	S4 (0-1')	Soluble	Solid	300.0	8231
880-6344-17	S4 (1-1.5')	Soluble	Solid	300.0	8231
880-6344-18	S4 (2-2.5')	Soluble	Solid	300.0	8231
880-6344-19	S5 (0-1')	Soluble	Solid	300.0	8231
880-6344-20	S5 (1-1.5')	Soluble	Solid	300.0	8231
MB 880-8231/1-A	Method Blank	Soluble	Solid	300.0	8231
LCS 880-8231/2-A	Lab Control Sample	Soluble	Solid	300.0	8231
LCSD 880-8231/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8231
880-6344-1 MS	S1 (0-1')	Soluble	Solid	300.0	8231
880-6344-1 MSD	S1 (0-1')	Soluble	Solid	300.0	8231
880-6344-11 MS	S3 (0-1')	Soluble	Solid	300.0	8231
880-6344-11 MSD	S3 (0-1')	Soluble	Solid	300.0	8231

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S1 (0-1')

Lab Sample ID: 880-6344-1

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 16:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/23/21 21:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 14:13	SC	XEN MID

Client Sample ID: S1 (1-1.5')

Lab Sample ID: 880-6344-2

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 17:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/23/21 22:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 14:30	SC	XEN MID

Client Sample ID: S1 (2-2.5')

Lab Sample ID: 880-6344-3

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 17:34	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/23/21 22:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 14:35	SC	XEN MID

Client Sample ID: S1 (3-3.5')

Lab Sample ID: 880-6344-4

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 17:55	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/23/21 23:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 14:41	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S1 (4-4.5')

Lab Sample ID: 880-6344-5

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 18:15	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/23/21 23:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 14:46	SC	XEN MID

Client Sample ID: S2 (0-1')

Lab Sample ID: 880-6344-6

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 18:36	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/23/21 23:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 15:03	SC	XEN MID

Client Sample ID: S2 (1-1.5')

Lab Sample ID: 880-6344-7

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 18:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 00:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 15:09	SC	XEN MID

Client Sample ID: S2 (2-2.5')

Lab Sample ID: 880-6344-8

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 19:16	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 00:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 15:14	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S2 (3-3.5')

Lab Sample ID: 880-6344-9

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 19:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 00:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		20			8322	09/23/21 15:20	SC	XEN MID

Client Sample ID: S2 (4-4.5')

Lab Sample ID: 880-6344-10

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 19:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 01:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		20			8322	09/23/21 15:26	SC	XEN MID

Client Sample ID: S3 (0-1')

Lab Sample ID: 880-6344-11

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 21:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/23/21 15:31	SC	XEN MID

Client Sample ID: S3 (1-1.5')

Lab Sample ID: 880-6344-12

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 21:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 02:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		5			8322	09/23/21 15:48	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S3 (2-2.5')

Lab Sample ID: 880-6344-13

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 22:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 02:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		5			8322	09/23/21 15:54	SC	XEN MID

Client Sample ID: S3 (3-3.5')

Lab Sample ID: 880-6344-14

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 22:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 02:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		1			8322	09/24/21 14:53	SC	XEN MID

Client Sample ID: S3 (4-4.5')

Lab Sample ID: 880-6344-15

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 22:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 03:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/24/21 15:10	SC	XEN MID

Client Sample ID: S4 (0-1')

Lab Sample ID: 880-6344-16

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 23:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 03:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		10			8322	09/24/21 15:27	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S4 (1-1.5')

Lab Sample ID: 880-6344-17

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 23:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	8322	09/24/21 15:45	SC	XEN MID

Client Sample ID: S4 (2-2.5')

Lab Sample ID: 880-6344-18

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 23:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		1			8322	09/24/21 16:02	SC	XEN MID

Client Sample ID: S5 (0-1')

Lab Sample ID: 880-6344-19

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/24/21 00:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 04:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		5			8322	09/24/21 16:20	SC	XEN MID

Client Sample ID: S5 (1-1.5')

Lab Sample ID: 880-6344-20

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8209	09/22/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/24/21 00:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8273	09/22/21 15:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8296	09/24/21 05:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8231	09/21/21 19:43	SC	XEN MID
Soluble	Analysis	300.0		1			8322	09/24/21 16:37	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Client Sample ID: S6 (0-1')
Date Collected: 09/20/21 00:00
Date Received: 09/21/21 16:22

Lab Sample ID: 880-6344-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8198	09/22/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 03:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 03:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		5			8271	09/23/21 07:33	CH	XEN MID

Client Sample ID: S6 (1-1.5')
Date Collected: 09/20/21 00:00
Date Received: 09/21/21 16:22

Lab Sample ID: 880-6344-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8198	09/22/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 04:18	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 03:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 07:49	CH	XEN MID

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global

Job ID: 880-6344-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-6344-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-6344-1	S1 (0-1')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-2	S1 (1-1.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-3	S1 (2-2.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-4	S1 (3-3.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-5	S1 (4-4.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-6	S2 (0-1')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-7	S2 (1-1.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-8	S2 (2-2.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-9	S2 (3-3.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-10	S2 (4-4.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-11	S3 (0-1')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-12	S3 (1-1.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-13	S3 (2-2.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-14	S3 (3-3.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-15	S3 (4-4.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-16	S4 (0-1')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-17	S4 (1-1.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-18	S4 (2-2.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-19	S5 (0-1')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-20	S5 (1-1.5')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-21	S6 (0-1')	Solid	09/20/21 00:00	09/21/21 16:22
880-6344-22	S6 (1-1.5')	Solid	09/20/21 00:00	09/21/21 16:22



Chain of Custody



Lot No: 6344

880-6344 Chain of Custody

Page 1 of 3

Project Manager	Mike Carmona	Bill to: (if different)	Jacqui Harris
Company Name:	NTG Environmental	Company Name:	COG
Address:	701 Tradewinds BLVD	Address:	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving, NM 88256
Phone:	432-312-7736	Email:	jacquiharris@conocophillips.com

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

Project Name:	Copperhead Fee 31 E CTB (9 07 21)	Turn Around	Prep. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	214672	☒ Routine ☒ Rush														None NO	DI Water H ₂ O	
Project Location	Eddy Co, NM	Due Date	7/2/12													Cool Cool	MeOH Me	
Sampler's Name:	NH	TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN	
PO #:																H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT				Temp Blank	Yes (No)	Wet Ice	Yes (No)									H ₃ PO ₄ HP		
Received Intact:	Yes (No)	Thermometer ID	128									NaHSO ₄ NABIS						
Cooler Custody Seals:	Yes (No)	Correction Factor	+0.5									Na ₂ S ₂ O ₃ NaSO ₃						
Sample Custody Seals:	Yes (No)	Temperature Reading	5.1									Zn Acetate+NaOH Zn						
Total Containers:	Yes (No)	Corrected Temperature:	5.6									NaOH+Ascorbic Acid SAPC						
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont								Sample Comments	
S1 (0-1')				9/20/2021		X		G	1	X	X	X						
S1 (1-1.5')				9/20/2021		X		G	1	X	X	X						
S1 (2-2.5')				9/20/2021		X		G	1	X	X	X						
S1 (3-3.5')				9/20/2021		X		G	1	X	X	X						
S1 (4-4.5')				9/20/2021		X		G	1	X	X	X						
S2 (0-1')				9/20/2021		X		G	1	X	X	X						
S2 (1-1.5')				9/20/2021		X		G	1	X	X	X						
S2 (2-2.5')				9/20/2021		X		G	1	X	X	X						
S2 (3-3.5')				9/20/2021		X		G	1	X	X	X						
S2 (4-4.5')				9/20/2021		X		G	1	X	X	X						

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9/21/2022			



Chain of Custody

Work Order No: 6344

Page 2 of 3

Project Manager	Mike Carmona	Bill to: (if different)	Jacqui Harris
Company Name	NTG Environmental	Company Name:	COG
Address:	701 Tradewinds BLVD	Address:	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving NM 88256
Phone:	432-312-7736	Email:	jacquiharris@conocophillips.com

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

Project Name:		Copperhead Fee 31 E CTB (9/7/21)		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number	214672	Routine		☒ Rush	Pres. Code												None NO	DI Water- H ₂ O	
Project Location	Eddy Co, NM	Due Date	TAT starts the day received by the lab, if received by 4:30pm												Cool Cool	MeOH Me			
Sampler's Name:	NH																	HCL HC	HNO ₃ HN
PO #:																		H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☒	Wet Ice	Yes ☒ No ☒	Parameters												HOLD	
Received Intact:	Yes ☒ No ☒	Thermometer ID	BTEx 8021B																
Cooler Custody Seals:	Yes ☒ No ☒	Correction Factor	TPH 8015M (GRO + DRO + MRO)																
Sample Custody Seals:	Yes ☒ No ☒	Temperature Reading:	Chloride 300 0																
Total Containers:			Corrected Temperature																
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
S3 (0-1')	9/20/2021			X		G	1	X	X	X									
S3 (1-1.5')	9/20/2021			X		G	1	X	X	X									
S3 (2-2.5')	9/20/2021			X		G	1	X	X	X									
S3 (3-3.5')	9/20/2021			X		G	1	X	X	X									
S3 (4-4.5')	9/20/2021			X		G	1	X	X	X									
S4 (0-1')	9/20/2021			X		G	1	X	X	X									
S4 (1-1.5')	9/20/2021			X		G	1	X	X	X									
S4 (2-2.5')	9/20/2021			X		G	1	X	X	X									
S5 (0-1')	9/20/2021			X		G	1	X	X	X									
S5 (1-1.5')	9/20/2021			X		G	1	X	X	X									

Additoinal Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		9/21/2022	2		
3			4		
5			6		



Chain of Custody

Work Order No: 60344

Page 3 of 3

Project Manager	Mike Carmona	Bill to (if different)	Jacqui Harris
Company Name	NTG Environmental	Company Name	COG
Address	701 Tradewinds BLVD	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving, NM 86256
Phone:	432-312-7736	Email	jacquiharris@conocophillips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

[illegible]

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		9/21/2022	2		
3 			4		
5			6		

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-6344-1

SDG Number: Eddy Co, NM

Login Number: 6344

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Phillips, Kerianna

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.	False	No time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-6345-1

Laboratory Sample Delivery Group: Eddy Co, NM

Client Project/Site: Copperhead Fee 31 E CTB (9.7.21)

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
9/24/2021 3:17:28 PM

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

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www.eurofinsus.com/Env

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: Copperhead Fee 31 E CTB (9.7.21)

Laboratory Job ID: 880-6345-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Xenco, Midland

Case Narrative

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Job ID: 880-6345-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-6345-1****Receipt**

The samples were received on 9/21/2021 4:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8198 and 880-8142 and analytical batch 880-8262 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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H7 (880-6345-7) and H8 (880-6345-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H6 (880-6345-6), H7 (880-6345-7) and (890-1287-A-1-E). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Client Sample ID: H1

Lab Sample ID: 880-6345-1

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		09/22/21 09:45	09/22/21 16:25	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		09/22/21 09:45	09/22/21 16:25	1
Ethylbenzene	<0.00202	U F1	0.00202		mg/Kg		09/22/21 09:45	09/22/21 16:25	1
m-Xylene & p-Xylene	<0.00404	U F1	0.00404		mg/Kg		09/22/21 09:45	09/22/21 16:25	1
o-Xylene	<0.00202	U F1	0.00202		mg/Kg		09/22/21 09:45	09/22/21 16:25	1
Xylenes, Total	<0.00404	U F1	0.00404		mg/Kg		09/22/21 09:45	09/22/21 16:25	1
Total BTEX	<0.00404	U F1 F2	0.00404		mg/Kg		09/22/21 09:45	09/22/21 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	09/22/21 09:45	09/22/21 16:25	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/22/21 09:45	09/22/21 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 23:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 23:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 23:47	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	09/22/21 13:48	09/23/21 23:47	1
o-Terphenyl	112		70 - 130	09/22/21 13:48	09/23/21 23:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		25.0		mg/Kg			09/23/21 07:55	5

Client Sample ID: H2

Lab Sample ID: 880-6345-2

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/21 09:45	09/22/21 16:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/21 09:45	09/22/21 16:45	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/22/21 09:45	09/22/21 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	09/22/21 09:45	09/22/21 16:45	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/22/21 09:45	09/22/21 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:08	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Client Sample ID: H2

Lab Sample ID: 880-6345-2

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:08	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/22/21 13:48	09/24/21 00:08	1
o-Terphenyl	117		70 - 130				09/22/21 13:48	09/24/21 00:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.96		mg/Kg			09/23/21 18:26	1

Client Sample ID: H3

Lab Sample ID: 880-6345-3

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:45	09/22/21 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				09/22/21 09:45	09/22/21 17:06	1
1,4-Difluorobenzene (Surr)	79		70 - 130				09/22/21 09:45	09/22/21 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:29	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/22/21 13:48	09/24/21 00:29	1
o-Terphenyl	115		70 - 130				09/22/21 13:48	09/24/21 00:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		5.04		mg/Kg			09/23/21 08:06	1

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Client Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Client Sample ID: H4

Lab Sample ID: 880-6345-4

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/21 09:45	09/22/21 17:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/21 09:45	09/22/21 17:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/21 09:45	09/22/21 17:26	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/22/21 09:45	09/22/21 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	09/22/21 09:45	09/22/21 17:26	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/22/21 09:45	09/22/21 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 00:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 00:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 00:50	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/22/21 13:48	09/24/21 00:50	1
o-Terphenyl	112		70 - 130	09/22/21 13:48	09/24/21 00:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		4.97		mg/Kg			09/23/21 08:23	1

Client Sample ID: H5

Lab Sample ID: 880-6345-5

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:45	09/22/21 17:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:45	09/22/21 17:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:45	09/22/21 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/21 09:45	09/22/21 17:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/21 09:45	09/22/21 17:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/21 09:45	09/22/21 17:47	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/22/21 09:45	09/22/21 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	09/22/21 09:45	09/22/21 17:47	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/22/21 09:45	09/22/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 01:11	1

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Client Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Client Sample ID: H5

Lab Sample ID: 880-6345-5

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 01:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 01:11	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/24/21 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/22/21 13:48	09/24/21 01:11	1
o-Terphenyl	126		70 - 130				09/22/21 13:48	09/24/21 01:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		4.95		mg/Kg			09/23/21 08:29	1

Client Sample ID: H6

Lab Sample ID: 880-6345-6

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/22/21 09:45	09/22/21 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/22/21 09:45	09/22/21 18:07	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/22/21 09:45	09/22/21 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 01:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 01:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 01:53	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/22/21 13:48	09/24/21 01:53	1
o-Terphenyl	134	S1+	70 - 130				09/22/21 13:48	09/24/21 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		4.95		mg/Kg			09/23/21 08:34	1

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Client Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Client Sample ID: H7

Lab Sample ID: 880-6345-7

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 18:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 18:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 18:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 18:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 18:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 18:28	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	09/22/21 09:45	09/22/21 18:28	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/22/21 09:45	09/22/21 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:14	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	09/22/21 13:48	09/24/21 02:14	1
o-Terphenyl	133	S1+	70 - 130	09/22/21 13:48	09/24/21 02:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		5.02		mg/Kg			09/23/21 08:40	1

Client Sample ID: H8

Lab Sample ID: 880-6345-8

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:17	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:17	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:17	1
m-Xylene & p-Xylene	<0.00396	U F1	0.00396		mg/Kg		09/22/21 09:44	09/23/21 03:17	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		09/22/21 09:44	09/23/21 03:17	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		09/22/21 09:44	09/23/21 03:17	1
Total BTEX	<0.00396	U F1	0.00396		mg/Kg		09/22/21 09:44	09/23/21 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	09/22/21 09:44	09/23/21 03:17	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/22/21 09:44	09/23/21 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:36	1

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Client Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Client Sample ID: H8

Lab Sample ID: 880-6345-8

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:36	1
Total TPH	<49.9	U	49.9		mg/Kg		09/22/21 13:48	09/24/21 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/22/21 13:48	09/24/21 02:36	1
o-Terphenyl	116		70 - 130				09/22/21 13:48	09/24/21 02:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		5.05		mg/Kg			09/23/21 08:45	1

Client Sample ID: H9

Lab Sample ID: 880-6345-9

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/22/21 09:44	09/23/21 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/22/21 09:44	09/23/21 03:37	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				09/22/21 09:44	09/23/21 03:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 02:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 02:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 02:57	1
Total TPH	<49.8	U	49.8		mg/Kg		09/22/21 13:48	09/24/21 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/22/21 13:48	09/24/21 02:57	1
o-Terphenyl	115		70 - 130				09/22/21 13:48	09/24/21 02:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.98		mg/Kg			09/23/21 18:32	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-6345-1	H1	123	80
880-6345-1 MS	H1	121	84
880-6345-1 MSD	H1	118	83
880-6345-2	H2	112	82
880-6345-3	H3	122	79
880-6345-4	H4	120	77
880-6345-5	H5	120	78
880-6345-6	H6	107	84
880-6345-7	H7	138 S1+	83
880-6345-8	H8	130	77
880-6345-8 MS	H8	125	82
880-6345-8 MSD	H8	130	83
880-6345-9	H9	128	69 S1-
LCS 880-8142/1-A	Lab Control Sample	113	84
LCS 880-8198/1-A	Lab Control Sample	114	86
LCSD 880-8142/2-A	Lab Control Sample Dup	116	87
LCSD 880-8198/2-A	Lab Control Sample Dup	122	72
MB 880-8142/5-A	Method Blank	107	76
MB 880-8198/5-A	Method Blank	119	82
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-6345-1	H1	102	112
880-6345-2	H2	107	117
880-6345-3	H3	104	115
880-6345-4	H4	104	112
880-6345-5	H5	116	126
880-6345-6	H6	123	134 S1+
880-6345-7	H7	120	133 S1+
880-6345-8	H8	104	116
880-6345-9	H9	106	115
890-1287-A-1-F MS	Matrix Spike	104	107
890-1287-A-1-G MSD	Matrix Spike Duplicate	104	105
LCS 880-8266/2-A	Lab Control Sample	121	118
LCSD 880-8266/3-A	Lab Control Sample Dup	116	113
MB 880-8266/1-A	Method Blank	108	124
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8142/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:45	09/22/21 16:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/22/21 09:45	09/22/21 16:03	1
1,4-Difluorobenzene (Surr)	76		70 - 130	09/22/21 09:45	09/22/21 16:03	1

Lab Sample ID: LCS 880-8142/1-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08625		mg/Kg		86	70 - 130
Toluene	0.100	0.08591		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.09110		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09409		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-8142/2-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8142

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09456		mg/Kg		95	70 - 130	9	35
Toluene	0.100	0.09285		mg/Kg		93	70 - 130	8	35
Ethylbenzene	0.100	0.09598		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2040		mg/Kg		102	70 - 130	7	35
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-6345-1 MS

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: H1

Prep Type: Total/NA

Prep Batch: 8142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U F1	0.101	0.07619		mg/Kg		75	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-6345-1 MS

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: H1

Prep Type: Total/NA

Prep Batch: 8142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00202	U F1	0.101	0.07293		mg/Kg		72	70 - 130
Ethylbenzene	<0.00202	U F1	0.101	0.07178		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00404	U F1	0.202	0.1500		mg/Kg		74	70 - 130
o-Xylene	<0.00202	U F1	0.101	0.07587		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-6345-1 MSD

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: H1

Prep Type: Total/NA

Prep Batch: 8142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.100	0.06124	F1	mg/Kg		61	70 - 130	22	35
Toluene	<0.00202	U F1	0.100	0.05927	F1	mg/Kg		59	70 - 130	21	35
Ethylbenzene	<0.00202	U F1	0.100	0.05605	F1	mg/Kg		56	70 - 130	25	35
m-Xylene & p-Xylene	<0.00404	U F1	0.200	0.1178	F1	mg/Kg		59	70 - 130	24	35
o-Xylene	<0.00202	U F1	0.100	0.05889	F1	mg/Kg		59	70 - 130	25	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-8198/5-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/22/21 09:44	09/23/21 02:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/22/21 09:44	09/23/21 02:55	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/22/21 09:44	09/23/21 02:55	1

Lab Sample ID: LCS 880-8198/1-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08388		mg/Kg		84	70 - 130
Toluene	0.100	0.08505		mg/Kg		85	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-8198/1-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.08810		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1844		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09718		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-8198/2-A

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08359		mg/Kg		84	70 - 130	0	35
Toluene	0.100	0.08817		mg/Kg		88	70 - 130	4	35
Ethylbenzene	0.100	0.09335		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1969		mg/Kg		98	70 - 130	7	35
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	72		70 - 130

Lab Sample ID: 880-6345-8 MS

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: H8

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.100	0.05090	F1	mg/Kg		51	70 - 130
Toluene	<0.00198	U F1	0.100	0.03736	F1	mg/Kg		37	70 - 130
Ethylbenzene	<0.00198	U F1	0.100	0.04601	F1	mg/Kg		46	70 - 130
m-Xylene & p-Xylene	<0.00396	U F1	0.201	0.09039	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00198	U F1	0.100	0.05994	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: 880-6345-8 MSD

Matrix: Solid

Analysis Batch: 8262

Client Sample ID: H8

Prep Type: Total/NA

Prep Batch: 8198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U F1	0.100	0.05894	F1	mg/Kg		59	70 - 130	15	35
Toluene	<0.00198	U F1	0.100	0.03865	F1	mg/Kg		39	70 - 130	3	35
Ethylbenzene	<0.00198	U F1	0.100	0.05040	F1	mg/Kg		50	70 - 130	9	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.09513	F1	mg/Kg		48	70 - 130	5	35
o-Xylene	<0.00198	U F1	0.100	0.07027		mg/Kg		70	70 - 130	16	35

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QC Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

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

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

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

Lab Sample ID: MB 880-8266/1-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8266

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1
Total TPH	<50.0	U	50.0		mg/Kg		09/22/21 13:48	09/23/21 20:15	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	108		70 - 130	09/22/21 13:48	09/23/21 20:15	1
o-Terphenyl	124		70 - 130	09/22/21 13:48	09/23/21 20:15	1

Lab Sample ID: LCS 880-8266/2-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	972.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	121		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-8266/3-A

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	996.8		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	4	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	113		70 - 130

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QC Sample Results

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

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

Lab Sample ID: 890-1287-A-1-F MS

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	935.5		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	904.3		mg/Kg		91	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	107		70 - 130								

Lab Sample ID: 890-1287-A-1-G MSD

Matrix: Solid

Analysis Batch: 8294

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	915.0		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	906.3		mg/Kg		91	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	105		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8230/1-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/23/21 07:16	1

Lab Sample ID: LCS 880-8230/2-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	261.5		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-8230/3-A

Matrix: Solid

Analysis Batch: 8271

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	262.2		mg/Kg		105	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-6345-9 MS										Client Sample ID: H9		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 8271												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits			
Chloride	11.3		249	274.6		mg/Kg		106	90 - 110			

Lab Sample ID: 880-6345-9 MSD										Client Sample ID: H9		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 8271												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	11.3		249	274.8		mg/Kg		106	90 - 110	0	20	

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 8142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-1	H1	Total/NA	Solid	5035	
880-6345-2	H2	Total/NA	Solid	5035	
880-6345-3	H3	Total/NA	Solid	5035	
880-6345-4	H4	Total/NA	Solid	5035	
880-6345-5	H5	Total/NA	Solid	5035	
880-6345-6	H6	Total/NA	Solid	5035	
880-6345-7	H7	Total/NA	Solid	5035	
MB 880-8142/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8142/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8142/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6345-1 MS	H1	Total/NA	Solid	5035	
880-6345-1 MSD	H1	Total/NA	Solid	5035	

Prep Batch: 8198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-8	H8	Total/NA	Solid	5035	
880-6345-9	H9	Total/NA	Solid	5035	
MB 880-8198/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8198/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8198/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6345-8 MS	H8	Total/NA	Solid	5035	
880-6345-8 MSD	H8	Total/NA	Solid	5035	

Analysis Batch: 8262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-1	H1	Total/NA	Solid	8021B	8142
880-6345-2	H2	Total/NA	Solid	8021B	8142
880-6345-3	H3	Total/NA	Solid	8021B	8142
880-6345-4	H4	Total/NA	Solid	8021B	8142
880-6345-5	H5	Total/NA	Solid	8021B	8142
880-6345-6	H6	Total/NA	Solid	8021B	8142
880-6345-7	H7	Total/NA	Solid	8021B	8142
880-6345-8	H8	Total/NA	Solid	8021B	8198
880-6345-9	H9	Total/NA	Solid	8021B	8198
MB 880-8142/5-A	Method Blank	Total/NA	Solid	8021B	8142
MB 880-8198/5-A	Method Blank	Total/NA	Solid	8021B	8198
LCS 880-8142/1-A	Lab Control Sample	Total/NA	Solid	8021B	8142
LCS 880-8198/1-A	Lab Control Sample	Total/NA	Solid	8021B	8198
LCSD 880-8142/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8142
LCSD 880-8198/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8198
880-6345-1 MS	H1	Total/NA	Solid	8021B	8142
880-6345-1 MSD	H1	Total/NA	Solid	8021B	8142
880-6345-8 MS	H8	Total/NA	Solid	8021B	8198
880-6345-8 MSD	H8	Total/NA	Solid	8021B	8198

GC Semi VOA

Prep Batch: 8266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-1	H1	Total/NA	Solid	8015NM Prep	
880-6345-2	H2	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 8266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-3	H3	Total/NA	Solid	8015NM Prep	
880-6345-4	H4	Total/NA	Solid	8015NM Prep	
880-6345-5	H5	Total/NA	Solid	8015NM Prep	
880-6345-6	H6	Total/NA	Solid	8015NM Prep	
880-6345-7	H7	Total/NA	Solid	8015NM Prep	
880-6345-8	H8	Total/NA	Solid	8015NM Prep	
880-6345-9	H9	Total/NA	Solid	8015NM Prep	
MB 880-8266/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8266/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1287-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1287-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-1	H1	Total/NA	Solid	8015B NM	8266
880-6345-2	H2	Total/NA	Solid	8015B NM	8266
880-6345-3	H3	Total/NA	Solid	8015B NM	8266
880-6345-4	H4	Total/NA	Solid	8015B NM	8266
880-6345-5	H5	Total/NA	Solid	8015B NM	8266
880-6345-6	H6	Total/NA	Solid	8015B NM	8266
880-6345-7	H7	Total/NA	Solid	8015B NM	8266
880-6345-8	H8	Total/NA	Solid	8015B NM	8266
880-6345-9	H9	Total/NA	Solid	8015B NM	8266
MB 880-8266/1-A	Method Blank	Total/NA	Solid	8015B NM	8266
LCS 880-8266/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8266
LCSD 880-8266/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8266
890-1287-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	8266
890-1287-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8266

HPLC/IC

Leach Batch: 8230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-1	H1	Soluble	Solid	DI Leach	
880-6345-2	H2	Soluble	Solid	DI Leach	
880-6345-3	H3	Soluble	Solid	DI Leach	
880-6345-4	H4	Soluble	Solid	DI Leach	
880-6345-5	H5	Soluble	Solid	DI Leach	
880-6345-6	H6	Soluble	Solid	DI Leach	
880-6345-7	H7	Soluble	Solid	DI Leach	
880-6345-8	H8	Soluble	Solid	DI Leach	
880-6345-9	H9	Soluble	Solid	DI Leach	
MB 880-8230/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8230/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8230/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6345-9 MS	H9	Soluble	Solid	DI Leach	
880-6345-9 MSD	H9	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 8271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6345-1	H1	Soluble	Solid	300.0	8230
880-6345-2	H2	Soluble	Solid	300.0	8230
880-6345-3	H3	Soluble	Solid	300.0	8230
880-6345-4	H4	Soluble	Solid	300.0	8230
880-6345-5	H5	Soluble	Solid	300.0	8230
880-6345-6	H6	Soluble	Solid	300.0	8230
880-6345-7	H7	Soluble	Solid	300.0	8230
880-6345-8	H8	Soluble	Solid	300.0	8230
880-6345-9	H9	Soluble	Solid	300.0	8230
MB 880-8230/1-A	Method Blank	Soluble	Solid	300.0	8230
LCS 880-8230/2-A	Lab Control Sample	Soluble	Solid	300.0	8230
LCSD 880-8230/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8230
880-6345-9 MS	H9	Soluble	Solid	300.0	8230
880-6345-9 MSD	H9	Soluble	Solid	300.0	8230

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Client Sample ID: H1

Lab Sample ID: 880-6345-1

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 16:25	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/23/21 23:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		5			8271	09/23/21 07:55	CH	XEN MID

Client Sample ID: H2

Lab Sample ID: 880-6345-2

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 16:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 00:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 18:26	CH	XEN MID

Client Sample ID: H3

Lab Sample ID: 880-6345-3

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 17:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 00:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 08:06	CH	XEN MID

Client Sample ID: H4

Lab Sample ID: 880-6345-4

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 17:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 00:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 08:23	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Client Sample ID: H5

Lab Sample ID: 880-6345-5

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 17:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 01:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 08:29	CH	XEN MID

Client Sample ID: H6

Lab Sample ID: 880-6345-6

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 18:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 08:34	CH	XEN MID

Client Sample ID: H7

Lab Sample ID: 880-6345-7

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8142	09/22/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/22/21 18:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 02:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 08:40	CH	XEN MID

Client Sample ID: H8

Lab Sample ID: 880-6345-8

Date Collected: 09/20/21 00:00

Matrix: Solid

Date Received: 09/21/21 16:22

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8198	09/22/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 03:17	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 02:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 08:45	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Client Sample ID: H9

Date Collected: 09/20/21 00:00

Date Received: 09/21/21 16:22

Lab Sample ID: 880-6345-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8198	09/22/21 09:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8262	09/23/21 03:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8266	09/22/21 13:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8294	09/24/21 02:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8230	09/21/21 19:07	SC	XEN MID
Soluble	Analysis	300.0		1			8271	09/23/21 18:32	CH	XEN MID

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.7.21)

Job ID: 880-6345-1
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global

Job ID: 880-6345-1

Project/Site: Copperhead Fee 31 E CTB (9.7.21)

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-6345-1	H1	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-2	H2	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-3	H3	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-4	H4	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-5	H5	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-6	H6	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-7	H7	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-8	H8	Solid	09/20/21 00:00	09/21/21 16:22
880-6345-9	H9	Solid	09/20/21 00:00	09/21/21 16:22



Chain of Custody

MA

6345

Project Manager	Mike Cairmona	Bill to: (if different)	Jacqui Harris
Company Name	NTG Environmental	Company Name	COG
Address	701 Tradewinds BLVD	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving, NM 88256
Phone	432-312-7736	Email	jacquiharris@conocophillips.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other ☐

[illegible]

Additoinal Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		9/21 1622	2		
3			4		
5			6		

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-6345-1

SDG Number: Eddy Co, NM

Login Number: 6345

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Phillips, Kerianna

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.	False	No time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-7011-1

Laboratory Sample Delivery Group: Eddy Co NM

Client Project/Site: Copperhead Fee 31 E CTB (9.07.21)

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink, appearing to read "Jessica Kramer".

Authorized for release by:
10/13/2021 4:22:20 PM

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

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

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

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Laboratory Job ID: 880-7011-1
SDG: Eddy Co NM

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Definitions/Glossary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

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

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

Eurofins Xenco, Midland

Case Narrative

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Job ID: 880-7011-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-7011-1****Receipt**

The samples were received on 10/8/2021 11:12 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 3.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8975 and 880-9118 and analytical batch 880-9324 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 880-9162 and analytical batch 880-9171 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.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T1 (5') (880-7011-6), T1 (11') (880-7011-12), T2 (0-1') (880-7011-14), T2 (2') (880-7011-16) and T2 (5') (880-7011-19). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T2 (7') (880-7011-21). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-9210 and 880-9210 and analytical batch 880-9307 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: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Client Sample ID: T1 (0-1')

Lab Sample ID: 880-7011-1

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		10/11/21 13:30	10/13/21 07:14	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		10/11/21 13:30	10/13/21 07:14	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		10/11/21 13:30	10/13/21 07:14	1
m-Xylene & p-Xylene	<0.00397	U F1	0.00397		mg/Kg		10/11/21 13:30	10/13/21 07:14	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		10/11/21 13:30	10/13/21 07:14	1
Xylenes, Total	<0.00397	U F1	0.00397		mg/Kg		10/11/21 13:30	10/13/21 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/11/21 13:30	10/13/21 07:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130	10/11/21 13:30	10/13/21 07:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		10/09/21 12:05	10/10/21 11:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		10/09/21 12:05	10/10/21 11:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/09/21 12:05	10/10/21 11:39	1
o-Terphenyl	123		70 - 130	10/09/21 12:05	10/10/21 11:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15800	F1	249		mg/Kg			10/12/21 13:48	50

Client Sample ID: T1 (1')

Lab Sample ID: 880-7011-2

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 07:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 07:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 07:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 07:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 07:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 07:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/11/21 13:30	10/13/21 07:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/11/21 13:30	10/13/21 07:35	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Client Sample ID: T1 (1')

Lab Sample ID: 880-7011-2

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 12:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 12:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/09/21 12:05	10/10/21 12:45	1
o-Terphenyl	129		70 - 130				10/09/21 12:05	10/10/21 12:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6000		49.9		mg/Kg			10/12/21 14:05	10

Client Sample ID: T1 (2')

Lab Sample ID: 880-7011-3

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 07:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 07:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 07:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 13:30	10/13/21 07:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 07:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 13:30	10/13/21 07:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				10/11/21 13:30	10/13/21 07:55	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/11/21 13:30	10/13/21 07:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 13:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 13:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (2')

Lab Sample ID: 880-7011-3

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/09/21 12:05	10/10/21 13:07	1
o-Terphenyl	128		70 - 130				10/09/21 12:05	10/10/21 13:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6490		49.5		mg/Kg			10/12/21 14:11	10

Client Sample ID: T1 (3')

Lab Sample ID: 880-7011-4

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 08:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 08:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 08:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 08:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 08:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 08:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/11/21 13:30	10/13/21 08:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/11/21 13:30	10/13/21 08:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 13:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 13:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/09/21 12:05	10/10/21 13:29	1
o-Terphenyl	128		70 - 130				10/09/21 12:05	10/10/21 13:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640		25.3		mg/Kg			10/12/21 14:16	5

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (4')

Lab Sample ID: 880-7011-5

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 08:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 08:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 08:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 13:30	10/13/21 08:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 08:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 13:30	10/13/21 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/11/21 13:30	10/13/21 08:37	1
1,4-Difluorobenzene (Surr)	77		70 - 130	10/11/21 13:30	10/13/21 08:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	10/09/21 12:05	10/10/21 13:50	1
o-Terphenyl	129		70 - 130	10/09/21 12:05	10/10/21 13:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3620		25.0		mg/Kg			10/12/21 14:22	5

Client Sample ID: T1 (5')

Lab Sample ID: 880-7011-6

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 08:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 08:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 08:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 08:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 08:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/11/21 13:30	10/13/21 08:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	10/11/21 13:30	10/13/21 08:58	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (5')

Lab Sample ID: 880-7011-6

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 14:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 14:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/09/21 12:05	10/10/21 14:12	1
o-Terphenyl	131	S1+	70 - 130				10/09/21 12:05	10/10/21 14:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1670		49.9		mg/Kg			10/12/21 14:39	10

Client Sample ID: T1 (6')

Lab Sample ID: 880-7011-7

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 09:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 09:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 09:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 13:30	10/13/21 09:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 09:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 13:30	10/13/21 09:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/11/21 13:30	10/13/21 09:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/11/21 13:30	10/13/21 09:18	1

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			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 14:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 14:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (6')

Lab Sample ID: 880-7011-7

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/09/21 12:05	10/10/21 14:33	1
o-Terphenyl	122		70 - 130				10/09/21 12:05	10/10/21 14:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	746		49.7		mg/Kg			10/12/21 14:45	10

Client Sample ID: T1 (7')

Lab Sample ID: 880-7011-8

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 09:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 09:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 09:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 13:30	10/13/21 09:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 09:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 13:30	10/13/21 09:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/11/21 13:30	10/13/21 09:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/11/21 13:30	10/13/21 09:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 14:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 14:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/09/21 12:05	10/10/21 14:55	1
o-Terphenyl	128		70 - 130				10/09/21 12:05	10/10/21 14:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4080		49.8		mg/Kg			10/12/21 14:50	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (8')

Lab Sample ID: 880-7011-9

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 10:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 10:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	10/11/21 13:30	10/13/21 10:00	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/11/21 13:30	10/13/21 10:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 15:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/09/21 12:05	10/10/21 15:17	1
o-Terphenyl	126		70 - 130	10/09/21 12:05	10/10/21 15:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		50.1		mg/Kg			10/12/21 14:56	10

Client Sample ID: T1 (9')

Lab Sample ID: 880-7011-10

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 10:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 10:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	10/11/21 13:30	10/13/21 10:21	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/11/21 13:30	10/13/21 10:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (9')

Lab Sample ID: 880-7011-10

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 15:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/09/21 12:05	10/10/21 15:38	1
o-Terphenyl	128		70 - 130				10/09/21 12:05	10/10/21 15:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	968		50.0		mg/Kg			10/12/21 15:01	10

Client Sample ID: T1 (10')

Lab Sample ID: 880-7011-11

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 11:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 11:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 11:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 11:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 11:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 11:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				10/11/21 13:30	10/13/21 11:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130				10/11/21 13:30	10/13/21 11:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 16:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 16:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (10')

Lab Sample ID: 880-7011-11

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/09/21 12:05	10/10/21 16:21	1
o-Terphenyl	127		70 - 130				10/09/21 12:05	10/10/21 16:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.4	F1	4.95		mg/Kg			10/12/21 17:04	1

Client Sample ID: T1 (11')

Lab Sample ID: 880-7011-12

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 12:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 12:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 12:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 12:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 13:30	10/13/21 12:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 13:30	10/13/21 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/11/21 13:30	10/13/21 12:06	1
1,4-Difluorobenzene (Surr)	130		70 - 130				10/11/21 13:30	10/13/21 12:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 16:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				10/09/21 12:05	10/10/21 16:42	1
o-Terphenyl	138	S1+	70 - 130				10/09/21 12:05	10/10/21 16:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		5.01		mg/Kg			10/12/21 15:24	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (12')

Lab Sample ID: 880-7011-13

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:26	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/21 13:30	10/13/21 12:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:26	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/21 13:30	10/13/21 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/11/21 13:30	10/13/21 12:26	1
1,4-Difluorobenzene (Surr)	122		70 - 130	10/11/21 13:30	10/13/21 12:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 17:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 17:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	10/09/21 12:05	10/10/21 17:04	1
o-Terphenyl	109		70 - 130	10/09/21 12:05	10/10/21 17:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.3		5.00		mg/Kg			10/12/21 15:30	1

Client Sample ID: T2 (0-1')

Lab Sample ID: 880-7011-14

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/11/21 13:30	10/13/21 12:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 12:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/11/21 13:30	10/13/21 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/11/21 13:30	10/13/21 12:47	1
1,4-Difluorobenzene (Surr)	130		70 - 130	10/11/21 13:30	10/13/21 12:47	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (0-1')

Lab Sample ID: 880-7011-14

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 17:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 17:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/09/21 12:05	10/10/21 17:25	1
o-Terphenyl	131	S1+	70 - 130				10/09/21 12:05	10/10/21 17:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7820		49.5		mg/Kg			10/12/21 17:15	10

Client Sample ID: T2 (1')

Lab Sample ID: 880-7011-15

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 13:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 13:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 13:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 13:30	10/13/21 13:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 13:30	10/13/21 13:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 13:30	10/13/21 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/11/21 13:30	10/13/21 13:08	1
1,4-Difluorobenzene (Surr)	123		70 - 130				10/11/21 13:30	10/13/21 13:08	1

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			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 17:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 17:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (1')

Lab Sample ID: 880-7011-15

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/09/21 12:05	10/10/21 17:47	1
o-Terphenyl	128		70 - 130				10/09/21 12:05	10/10/21 17:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11600		101		mg/Kg			10/12/21 17:36	20

Client Sample ID: T2 (2')

Lab Sample ID: 880-7011-16

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 13:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 13:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 13:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 13:30	10/13/21 13:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 13:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 13:30	10/13/21 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/11/21 13:30	10/13/21 13:29	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/11/21 13:30	10/13/21 13:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/09/21 12:05	10/10/21 18:08	1
o-Terphenyl	136	S1+	70 - 130				10/09/21 12:05	10/10/21 18:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5490		99.8		mg/Kg			10/12/21 17:44	20

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (3')

Lab Sample ID: 880-7011-17

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 13:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 13:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 13:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 13:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 13:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/11/21 13:30	10/13/21 13:50	1
1,4-Difluorobenzene (Surr)	123		70 - 130	10/11/21 13:30	10/13/21 13:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 18:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 18:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/09/21 12:05	10/10/21 18:30	1
o-Terphenyl	121		70 - 130	10/09/21 12:05	10/10/21 18:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8050		100		mg/Kg			10/12/21 17:51	20

Client Sample ID: T2 (4')

Lab Sample ID: 880-7011-18

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 14:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/11/21 13:30	10/13/21 14:11	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/11/21 13:30	10/13/21 14:11	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (4')

Lab Sample ID: 880-7011-18

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 18:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 18:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:05	10/10/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/09/21 12:05	10/10/21 18:51	1
o-Terphenyl	124		70 - 130				10/09/21 12:05	10/10/21 18:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8220		99.4		mg/Kg			10/12/21 17:58	20

Client Sample ID: T2 (5')

Lab Sample ID: 880-7011-19

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 14:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 13:30	10/13/21 14:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 13:30	10/13/21 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				10/11/21 13:30	10/13/21 14:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/11/21 13:30	10/13/21 14:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 19:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (5')

Lab Sample ID: 880-7011-19

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/09/21 12:05	10/10/21 19:13	1
o-Terphenyl	131	S1+	70 - 130				10/09/21 12:05	10/10/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4810		101		mg/Kg			10/12/21 18:19	20

Client Sample ID: T2 (6')

Lab Sample ID: 880-7011-20

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 14:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 14:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 14:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 13:30	10/13/21 14:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 13:30	10/13/21 14:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 13:30	10/13/21 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				10/11/21 13:30	10/13/21 14:52	1
1,4-Difluorobenzene (Surr)	129		70 - 130				10/11/21 13:30	10/13/21 14:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 19:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 19:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:05	10/10/21 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/09/21 12:05	10/10/21 19:34	1
o-Terphenyl	130		70 - 130				10/09/21 12:05	10/10/21 19:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4230		99.4		mg/Kg			10/12/21 18:26	20

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Client Sample ID: T2 (7')

Lab Sample ID: 880-7011-21

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:00	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/12/21 23:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/12/21 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/11/21 11:00	10/12/21 23:00	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/11/21 11:00	10/12/21 23:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		10/09/21 12:20	10/10/21 11:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		10/09/21 12:20	10/10/21 11:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	10/09/21 12:20	10/10/21 11:39	1
o-Terphenyl	132	S1+	70 - 130	10/09/21 12:20	10/10/21 11:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3650		50.0		mg/Kg			10/12/21 18:34	10

Client Sample ID: T2 (8')

Lab Sample ID: 880-7011-22

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 11:00	10/12/21 23:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 23:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 11:00	10/12/21 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/11/21 11:00	10/12/21 23:21	1
1,4-Difluorobenzene (Surr)	118		70 - 130	10/11/21 11:00	10/12/21 23:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (8')

Lab Sample ID: 880-7011-22

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 12:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 12:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/09/21 12:20	10/10/21 12:45	1
o-Terphenyl	122		70 - 130				10/09/21 12:20	10/10/21 12:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.1		4.95		mg/Kg			10/13/21 10:59	1

Client Sample ID: T2 (9')

Lab Sample ID: 880-7011-23

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 00:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 00:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 00:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/11/21 11:00	10/13/21 00:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 00:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/11/21 11:00	10/13/21 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				10/11/21 11:00	10/13/21 00:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130				10/11/21 11:00	10/13/21 00:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 13:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 13:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (9')

Lab Sample ID: 880-7011-23

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/09/21 12:20	10/10/21 13:07	1
o-Terphenyl	123		70 - 130				10/09/21 12:20	10/10/21 13:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9		5.01		mg/Kg			10/12/21 18:48	1

Client Sample ID: T2 (10')

Lab Sample ID: 880-7011-24

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:00	10/13/21 01:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:00	10/13/21 01:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:00	10/13/21 01:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/11/21 11:00	10/13/21 01:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/11/21 11:00	10/13/21 01:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/11/21 11:00	10/13/21 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/11/21 11:00	10/13/21 01:04	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/11/21 11:00	10/13/21 01:04	1

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			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 13:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 13:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/09/21 12:20	10/10/21 13:29	1
o-Terphenyl	119		70 - 130				10/09/21 12:20	10/10/21 13:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.8		4.96		mg/Kg			10/12/21 18:55	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (0-1')

Lab Sample ID: 880-7011-25

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 01:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 01:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 01:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/13/21 01:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/13/21 01:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/13/21 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	10/11/21 11:00	10/13/21 01:25	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/11/21 11:00	10/13/21 01:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/09/21 12:20	10/10/21 13:50	1
o-Terphenyl	124		70 - 130	10/09/21 12:20	10/10/21 13:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100		50.0		mg/Kg			10/12/21 19:17	10

Client Sample ID: T3 (1')

Lab Sample ID: 880-7011-26

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 01:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 01:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 01:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/13/21 01:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 01:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/13/21 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/11/21 11:00	10/13/21 01:46	1
1,4-Difluorobenzene (Surr)	111		70 - 130	10/11/21 11:00	10/13/21 01:46	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (1')

Lab Sample ID: 880-7011-26

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 14:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 14:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/09/21 12:20	10/10/21 14:12	1
o-Terphenyl	119		70 - 130				10/09/21 12:20	10/10/21 14:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	732		5.00		mg/Kg			10/12/21 17:15	1

Client Sample ID: T3 (2')

Lab Sample ID: 880-7011-27

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/11/21 11:00	10/13/21 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/11/21 11:00	10/13/21 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/11/21 11:00	10/13/21 02:06	1
1,4-Difluorobenzene (Surr)	120		70 - 130				10/11/21 11:00	10/13/21 02:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 14:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 14:33	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (2')

Lab Sample ID: 880-7011-27

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/09/21 12:20	10/10/21 14:33	1
o-Terphenyl	125		70 - 130				10/09/21 12:20	10/10/21 14:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.7		4.95		mg/Kg			10/12/21 17:36	1

Client Sample ID: T3 (3')

Lab Sample ID: 880-7011-28

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 02:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 02:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 02:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/13/21 02:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 02:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/13/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/11/21 11:00	10/13/21 02:27	1
1,4-Difluorobenzene (Surr)	81		70 - 130				10/11/21 11:00	10/13/21 02:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 14:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 14:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/09/21 12:20	10/10/21 14:55	1
o-Terphenyl	120		70 - 130				10/09/21 12:20	10/10/21 14:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	437		5.01		mg/Kg			10/12/21 17:43	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (4')

Lab Sample ID: 880-7011-29

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/21 11:00	10/13/21 02:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 11:00	10/13/21 02:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/21 11:00	10/13/21 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/11/21 11:00	10/13/21 02:48	1
1,4-Difluorobenzene (Surr)	82		70 - 130	10/11/21 11:00	10/13/21 02:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 15:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	10/09/21 12:20	10/10/21 15:17	1
o-Terphenyl	117		70 - 130	10/09/21 12:20	10/10/21 15:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.99		mg/Kg			10/12/21 17:50	1

Client Sample ID: T3 (5')

Lab Sample ID: 880-7011-30

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 03:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 03:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 03:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/13/21 03:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/21 11:00	10/13/21 03:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/21 11:00	10/13/21 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/11/21 11:00	10/13/21 03:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/11/21 11:00	10/13/21 03:08	1

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Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (5')

Lab Sample ID: 880-7011-30

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 15:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/09/21 12:20	10/10/21 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/09/21 12:20	10/10/21 15:38	1
o-Terphenyl	124		70 - 130				10/09/21 12:20	10/10/21 15:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.95		mg/Kg			10/12/21 17:57	1

Client Sample ID: T3 (6')

Lab Sample ID: 880-7011-31

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:00	10/13/21 03:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:00	10/13/21 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/11/21 11:00	10/13/21 03:29	1
1,4-Difluorobenzene (Surr)	76		70 - 130				10/11/21 11:00	10/13/21 03:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	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			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 16:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 16:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (6')

Lab Sample ID: 880-7011-31

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/09/21 12:20	10/10/21 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/09/21 12:20	10/10/21 16:21	1
o-Terphenyl	120		70 - 130				10/09/21 12:20	10/10/21 16:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	698		5.04		mg/Kg			10/12/21 18:16	1

Client Sample ID: T3 (7')

Lab Sample ID: 880-7011-32

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/21 11:00	10/13/21 03:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/21 11:00	10/13/21 03:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/21 11:00	10/13/21 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/11/21 11:00	10/13/21 03:50	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/11/21 11:00	10/13/21 03:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/13/21 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/13/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 16:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 16:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/09/21 12:20	10/10/21 16:42	1
o-Terphenyl	118		70 - 130				10/09/21 12:20	10/10/21 16:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.97		mg/Kg			10/12/21 18:22	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-7011-1	T1 (0-1')	84	106
880-7011-1 MS	T1 (0-1')	88	83
880-7011-1 MSD	T1 (0-1')	89	98
880-7011-2	T1 (1')	98	104
880-7011-3	T1 (2')	84	95
880-7011-4	T1 (3')	92	107
880-7011-5	T1 (4')	86	77
880-7011-6	T1 (5')	92	106
880-7011-7	T1 (6')	99	98
880-7011-8	T1 (7')	86	100
880-7011-9	T1 (8')	79	88
880-7011-10	T1 (9')	88	86
880-7011-11	T1 (10')	84	107
880-7011-12	T1 (11')	94	130
880-7011-13	T1 (12')	86	122
880-7011-14	T2 (0-1')	89	130
880-7011-15	T2 (1')	93	123
880-7011-16	T2 (2')	98	108
880-7011-17	T2 (3')	86	123
880-7011-18	T2 (4')	84	105
880-7011-19	T2 (5')	81	108
880-7011-20	T2 (6')	81	129
880-7011-21	T2 (7')	107	110
880-7011-22	T2 (8')	100	118
880-7011-23	T2 (9')	85	88
880-7011-24	T2 (10')	97	96
880-7011-25	T3 (0-1')	79	93
880-7011-26	T3 (1')	104	111
880-7011-27	T3 (2')	91	120
880-7011-28	T3 (3')	88	81
880-7011-29	T3 (4')	119	82
880-7011-30	T3 (5')	92	101
880-7011-31	T3 (6')	87	76
880-7011-32	T3 (7')	95	105
LCS 880-8975/1-A	Lab Control Sample	96	101
LCS 880-9118/1-A	Lab Control Sample	93	83
LCSD 880-8975/2-A	Lab Control Sample Dup	82	93
LCSD 880-9118/2-A	Lab Control Sample Dup	96	95
MB 880-8975/5-A	Method Blank	113	109
MB 880-9118/5-A	Method Blank	112	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-7011-1	T1 (0-1')	106	123
880-7011-1 MS	T1 (0-1')	102	115
880-7011-1 MSD	T1 (0-1')	96	108
880-7011-2	T1 (1')	112	129
880-7011-3	T1 (2')	112	128
880-7011-4	T1 (3')	112	128
880-7011-5	T1 (4')	113	129
880-7011-6	T1 (5')	113	131 S1+
880-7011-7	T1 (6')	106	122
880-7011-8	T1 (7')	110	128
880-7011-9	T1 (8')	109	126
880-7011-10	T1 (9')	112	128
880-7011-11	T1 (10')	110	127
880-7011-12	T1 (11')	120	138 S1+
880-7011-13	T1 (12')	94	109
880-7011-14	T2 (0-1')	113	131 S1+
880-7011-15	T2 (1')	109	128
880-7011-16	T2 (2')	116	136 S1+
880-7011-17	T2 (3')	105	121
880-7011-18	T2 (4')	108	124
880-7011-19	T2 (5')	113	131 S1+
880-7011-20	T2 (6')	114	130
880-7011-21	T2 (7')	123	132 S1+
880-7011-21 MS	T2 (7')	92	101
880-7011-21 MSD	T2 (7')	99	109
880-7011-22	T2 (8')	112	122
880-7011-23	T2 (9')	113	123
880-7011-24	T2 (10')	106	119
880-7011-25	T3 (0-1')	114	124
880-7011-26	T3 (1')	107	119
880-7011-27	T3 (2')	118	125
880-7011-28	T3 (3')	109	120
880-7011-29	T3 (4')	108	117
880-7011-30	T3 (5')	111	124
880-7011-31	T3 (6')	108	120
880-7011-32	T3 (7')	107	118
LCS 880-9162/2-A	Lab Control Sample	104	112
LCS 880-9163/2-A	Lab Control Sample	97	96
LCSD 880-9162/3-A	Lab Control Sample Dup	107	115
LCSD 880-9163/3-A	Lab Control Sample Dup	102	101
MB 880-9162/1-A	Method Blank	102	122
MB 880-9163/1-A	Method Blank	109	121

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8975/5-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/11/21 11:00	10/12/21 19:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/11/21 11:00	10/12/21 19:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/11/21 11:00	10/12/21 19:53	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/11/21 11:00	10/12/21 19:53	1

Lab Sample ID: LCS 880-8975/1-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08714		mg/Kg		87	70 - 130
Toluene	0.100	0.1017		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1713		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08029		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-8975/2-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08186		mg/Kg		82	70 - 130	6	35
Toluene	0.100	0.09746		mg/Kg		97	70 - 130	4	35
Ethylbenzene	0.100	0.08894		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1547		mg/Kg		77	70 - 130	10	35
o-Xylene	0.100	0.07544		mg/Kg		75	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-9118/5-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 06:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 06:52	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-9118/5-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 06:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/21 13:30	10/13/21 06:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/21 13:30	10/13/21 06:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/21 13:30	10/13/21 06:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/11/21 13:30	10/13/21 06:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/11/21 13:30	10/13/21 06:52	1

Lab Sample ID: LCS 880-9118/1-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07283		mg/Kg		73	70 - 130
Toluene	0.100	0.09403		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09139		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1591		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08211		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-9118/2-A

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9118

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07457		mg/Kg		75	70 - 130	2	35
Toluene	0.100	0.09035		mg/Kg		90	70 - 130	4	35
Ethylbenzene	0.100	0.09045		mg/Kg		90	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1630		mg/Kg		82	70 - 130	2	35
o-Xylene	0.100	0.07751		mg/Kg		78	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-7011-1 MS

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: T1 (0-1')

Prep Type: Total/NA

Prep Batch: 9118

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.101	0.03958	F1	mg/Kg		39	70 - 130
Toluene	<0.00198	U F1	0.101	0.05823	F1	mg/Kg		58	70 - 130
Ethylbenzene	<0.00198	U F1	0.101	0.05174	F1	mg/Kg		51	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1	0.201	0.09144	F1	mg/Kg		45	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-7011-1 MS

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: T1 (0-1')

Prep Type: Total/NA

Prep Batch: 9118

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00198	U F1	0.101	0.04383	F1	mg/Kg		44	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	88		70 - 130						
1,4-Difluorobenzene (Surr)	83		70 - 130						

Lab Sample ID: 880-7011-1 MSD

Matrix: Solid

Analysis Batch: 9324

Client Sample ID: T1 (0-1')

Prep Type: Total/NA

Prep Batch: 9118

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.04139	F1	mg/Kg		41	70 - 130	4	35
Toluene	<0.00198	U F1	0.100	0.05963	F1	mg/Kg		60	70 - 130	2	35
Ethylbenzene	<0.00198	U F1	0.100	0.04154	F1	mg/Kg		41	70 - 130	22	35
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.07123	F1	mg/Kg		36	70 - 130	25	35
o-Xylene	<0.00198	U F1	0.100	0.03514	F1	mg/Kg		35	70 - 130	22	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	89		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

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

Lab Sample ID: MB 880-9162/1-A

Matrix: Solid

Analysis Batch: 9171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 10:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 10:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:05	10/10/21 10:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	122		70 - 130						

Lab Sample ID: LCS 880-9162/2-A

Matrix: Solid

Analysis Batch: 9171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	818.4		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	938.3		mg/Kg		94	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-9162/2-A

Matrix: Solid

Analysis Batch: 9171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9162

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-9162/3-A

Matrix: Solid

Analysis Batch: 9171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9162

	Spike	LCSD	LCSD						%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	876.6		mg/Kg		88	70 - 130	7	20		
Diesel Range Organics (Over C10-C28)	1000	970.3		mg/Kg		97	70 - 130	3	20		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-7011-1 MS

Matrix: Solid

Analysis Batch: 9171

Client Sample ID: T1 (0-1')

Prep Type: Total/NA

Prep Batch: 9162

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	91.25	F1	mg/Kg		9	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	92.58	F1	mg/Kg		7	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-7011-1 MSD

Matrix: Solid

Analysis Batch: 9171

Client Sample ID: T1 (0-1')

Prep Type: Total/NA

Prep Batch: 9162

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	88.17	F1	mg/Kg		9	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	87.58	F1	mg/Kg		7	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	108		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-9163/1-A

Matrix: Solid

Analysis Batch: 9173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9163

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 10:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 10:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/09/21 12:20	10/10/21 10:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/09/21 12:20	10/10/21 10:34	1
o-Terphenyl	121		70 - 130				10/09/21 12:20	10/10/21 10:34	1

Lab Sample ID: LCS 880-9163/2-A

Matrix: Solid

Analysis Batch: 9173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9163

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	895.2		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1051		mg/Kg		105	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	97		70 - 130				
o-Terphenyl	96		70 - 130				

Lab Sample ID: LCSD 880-9163/3-A

Matrix: Solid

Analysis Batch: 9173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9163

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	908.6		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1041		mg/Kg		104	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: 880-7011-21 MS

Matrix: Solid

Analysis Batch: 9173

Client Sample ID: T2 (7')

Prep Type: Total/NA

Prep Batch: 9163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	109.6	F1	mg/Kg		11	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	95.37	F1	mg/Kg		10	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-7011-21 MS

Matrix: Solid

Analysis Batch: 9173

Client Sample ID: T2 (7')

Prep Type: Total/NA

Prep Batch: 9163

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-7011-21 MSD

Matrix: Solid

Analysis Batch: 9173

Client Sample ID: T2 (7')

Prep Type: Total/NA

Prep Batch: 9163

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	127.3	F1	mg/Kg		13	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	102.3	F1	mg/Kg		10	70 - 130	7	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	109		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-9210/1-A

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			10/12/21 13:31	1	

Lab Sample ID: LCS 880-9210/2-A

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	242.3		mg/Kg		97	90 - 110			

Lab Sample ID: LCSD 880-9210/3-A

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	243.5		mg/Kg		97	90 - 110	0	20	

Lab Sample ID: 880-7011-1 MS

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: T1 (0-1')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	15800	F1	24900	32180	F1	mg/Kg		66	90 - 110	

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QC Sample Results

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-7011-1 MSD

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: T1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	15800	F1	24900	32310	F1	mg/Kg		66	90 - 110	0	20

Lab Sample ID: 880-7011-11 MS

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: T1 (10')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	58.4	F1	495	339.1	F1	mg/Kg		57	90 - 110		

Lab Sample ID: 880-7011-11 MSD

Matrix: Solid

Analysis Batch: 9307

Client Sample ID: T1 (10')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.4	F1	495	321.0	F1	mg/Kg		53	90 - 110	6	20

Lab Sample ID: MB 880-9211/1-A

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/12/21 16:53	1

Lab Sample ID: LCS 880-9211/2-A

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	253.0		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-9211/3-A

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.8		mg/Kg		104	90 - 110	2	20

Lab Sample ID: 880-7011-14 MS

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: T2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	7820		2480	10430		mg/Kg		105	90 - 110		

Lab Sample ID: 880-7011-14 MSD

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: T2 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7820		2480	10470		mg/Kg		107	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-7011-24 MS

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: T2 (10')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	76.8		248	348.8		mg/Kg		110	90 - 110

Lab Sample ID: 880-7011-24 MSD

Matrix: Solid

Analysis Batch: 9317

Client Sample ID: T2 (10')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	76.8		248	348.0		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-9213/1-A

Matrix: Solid

Analysis Batch: 9319

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/12/21 16:54	1

Lab Sample ID: LCS 880-9213/2-A

Matrix: Solid

Analysis Batch: 9319

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	262.2		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-9213/3-A

Matrix: Solid

Analysis Batch: 9319

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	262.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-7011-26 MS

Matrix: Solid

Analysis Batch: 9319

Client Sample ID: T3 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	732		250	979.1		mg/Kg		99	90 - 110

Lab Sample ID: 880-7011-26 MSD

Matrix: Solid

Analysis Batch: 9319

Client Sample ID: T3 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	732		250	963.2		mg/Kg		93	90 - 110	2	20

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QC Association Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

GC VOA

Prep Batch: 8975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-21	T2 (7')	Total/NA	Solid	5035	
880-7011-22	T2 (8')	Total/NA	Solid	5035	
880-7011-23	T2 (9')	Total/NA	Solid	5035	
880-7011-24	T2 (10')	Total/NA	Solid	5035	
880-7011-25	T3 (0-1')	Total/NA	Solid	5035	
880-7011-26	T3 (1')	Total/NA	Solid	5035	
880-7011-27	T3 (2')	Total/NA	Solid	5035	
880-7011-28	T3 (3')	Total/NA	Solid	5035	
880-7011-29	T3 (4')	Total/NA	Solid	5035	
880-7011-30	T3 (5')	Total/NA	Solid	5035	
880-7011-31	T3 (6')	Total/NA	Solid	5035	
880-7011-32	T3 (7')	Total/NA	Solid	5035	
MB 880-8975/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8975/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8975/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 9118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Total/NA	Solid	5035	
880-7011-2	T1 (1')	Total/NA	Solid	5035	
880-7011-3	T1 (2')	Total/NA	Solid	5035	
880-7011-4	T1 (3')	Total/NA	Solid	5035	
880-7011-5	T1 (4')	Total/NA	Solid	5035	
880-7011-6	T1 (5')	Total/NA	Solid	5035	
880-7011-7	T1 (6')	Total/NA	Solid	5035	
880-7011-8	T1 (7')	Total/NA	Solid	5035	
880-7011-9	T1 (8')	Total/NA	Solid	5035	
880-7011-10	T1 (9')	Total/NA	Solid	5035	
880-7011-11	T1 (10')	Total/NA	Solid	5035	
880-7011-12	T1 (11')	Total/NA	Solid	5035	
880-7011-13	T1 (12')	Total/NA	Solid	5035	
880-7011-14	T2 (0-1')	Total/NA	Solid	5035	
880-7011-15	T2 (1')	Total/NA	Solid	5035	
880-7011-16	T2 (2')	Total/NA	Solid	5035	
880-7011-17	T2 (3')	Total/NA	Solid	5035	
880-7011-18	T2 (4')	Total/NA	Solid	5035	
880-7011-19	T2 (5')	Total/NA	Solid	5035	
880-7011-20	T2 (6')	Total/NA	Solid	5035	
MB 880-9118/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-9118/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-9118/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7011-1 MS	T1 (0-1')	Total/NA	Solid	5035	
880-7011-1 MSD	T1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 9324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Total/NA	Solid	8021B	9118
880-7011-2	T1 (1')	Total/NA	Solid	8021B	9118
880-7011-3	T1 (2')	Total/NA	Solid	8021B	9118
880-7011-4	T1 (3')	Total/NA	Solid	8021B	9118
880-7011-5	T1 (4')	Total/NA	Solid	8021B	9118

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QC Association Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

GC VOA (Continued)

Analysis Batch: 9324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-6	T1 (5')	Total/NA	Solid	8021B	9118
880-7011-7	T1 (6')	Total/NA	Solid	8021B	9118
880-7011-8	T1 (7')	Total/NA	Solid	8021B	9118
880-7011-9	T1 (8')	Total/NA	Solid	8021B	9118
880-7011-10	T1 (9')	Total/NA	Solid	8021B	9118
880-7011-11	T1 (10')	Total/NA	Solid	8021B	9118
880-7011-12	T1 (11')	Total/NA	Solid	8021B	9118
880-7011-13	T1 (12')	Total/NA	Solid	8021B	9118
880-7011-14	T2 (0-1')	Total/NA	Solid	8021B	9118
880-7011-15	T2 (1')	Total/NA	Solid	8021B	9118
880-7011-16	T2 (2')	Total/NA	Solid	8021B	9118
880-7011-17	T2 (3')	Total/NA	Solid	8021B	9118
880-7011-18	T2 (4')	Total/NA	Solid	8021B	9118
880-7011-19	T2 (5')	Total/NA	Solid	8021B	9118
880-7011-20	T2 (6')	Total/NA	Solid	8021B	9118
880-7011-21	T2 (7')	Total/NA	Solid	8021B	8975
880-7011-22	T2 (8')	Total/NA	Solid	8021B	8975
880-7011-23	T2 (9')	Total/NA	Solid	8021B	8975
880-7011-24	T2 (10')	Total/NA	Solid	8021B	8975
880-7011-25	T3 (0-1')	Total/NA	Solid	8021B	8975
880-7011-26	T3 (1')	Total/NA	Solid	8021B	8975
880-7011-27	T3 (2')	Total/NA	Solid	8021B	8975
880-7011-28	T3 (3')	Total/NA	Solid	8021B	8975
880-7011-29	T3 (4')	Total/NA	Solid	8021B	8975
880-7011-30	T3 (5')	Total/NA	Solid	8021B	8975
880-7011-31	T3 (6')	Total/NA	Solid	8021B	8975
880-7011-32	T3 (7')	Total/NA	Solid	8021B	8975
MB 880-8975/5-A	Method Blank	Total/NA	Solid	8021B	8975
MB 880-9118/5-A	Method Blank	Total/NA	Solid	8021B	9118
LCS 880-8975/1-A	Lab Control Sample	Total/NA	Solid	8021B	8975
LCS 880-9118/1-A	Lab Control Sample	Total/NA	Solid	8021B	9118
LCSD 880-8975/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8975
LCSD 880-9118/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	9118
880-7011-1 MS	T1 (0-1')	Total/NA	Solid	8021B	9118
880-7011-1 MSD	T1 (0-1')	Total/NA	Solid	8021B	9118

Analysis Batch: 9366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Total/NA	Solid	Total BTEX	
880-7011-2	T1 (1')	Total/NA	Solid	Total BTEX	
880-7011-3	T1 (2')	Total/NA	Solid	Total BTEX	
880-7011-4	T1 (3')	Total/NA	Solid	Total BTEX	
880-7011-5	T1 (4')	Total/NA	Solid	Total BTEX	
880-7011-6	T1 (5')	Total/NA	Solid	Total BTEX	
880-7011-7	T1 (6')	Total/NA	Solid	Total BTEX	
880-7011-8	T1 (7')	Total/NA	Solid	Total BTEX	
880-7011-9	T1 (8')	Total/NA	Solid	Total BTEX	
880-7011-10	T1 (9')	Total/NA	Solid	Total BTEX	
880-7011-11	T1 (10')	Total/NA	Solid	Total BTEX	
880-7011-12	T1 (11')	Total/NA	Solid	Total BTEX	
880-7011-13	T1 (12')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

GC VOA (Continued)

Analysis Batch: 9366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-14	T2 (0-1')	Total/NA	Solid	Total BTEX	
880-7011-15	T2 (1')	Total/NA	Solid	Total BTEX	
880-7011-16	T2 (2')	Total/NA	Solid	Total BTEX	
880-7011-17	T2 (3')	Total/NA	Solid	Total BTEX	
880-7011-18	T2 (4')	Total/NA	Solid	Total BTEX	
880-7011-19	T2 (5')	Total/NA	Solid	Total BTEX	
880-7011-20	T2 (6')	Total/NA	Solid	Total BTEX	
880-7011-21	T2 (7')	Total/NA	Solid	Total BTEX	
880-7011-22	T2 (8')	Total/NA	Solid	Total BTEX	
880-7011-23	T2 (9')	Total/NA	Solid	Total BTEX	
880-7011-24	T2 (10')	Total/NA	Solid	Total BTEX	
880-7011-25	T3 (0-1')	Total/NA	Solid	Total BTEX	
880-7011-26	T3 (1')	Total/NA	Solid	Total BTEX	
880-7011-27	T3 (2')	Total/NA	Solid	Total BTEX	
880-7011-28	T3 (3')	Total/NA	Solid	Total BTEX	
880-7011-29	T3 (4')	Total/NA	Solid	Total BTEX	
880-7011-30	T3 (5')	Total/NA	Solid	Total BTEX	
880-7011-31	T3 (6')	Total/NA	Solid	Total BTEX	
880-7011-32	T3 (7')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 9162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Total/NA	Solid	8015NM Prep	
880-7011-2	T1 (1')	Total/NA	Solid	8015NM Prep	
880-7011-3	T1 (2')	Total/NA	Solid	8015NM Prep	
880-7011-4	T1 (3')	Total/NA	Solid	8015NM Prep	
880-7011-5	T1 (4')	Total/NA	Solid	8015NM Prep	
880-7011-6	T1 (5')	Total/NA	Solid	8015NM Prep	
880-7011-7	T1 (6')	Total/NA	Solid	8015NM Prep	
880-7011-8	T1 (7')	Total/NA	Solid	8015NM Prep	
880-7011-9	T1 (8')	Total/NA	Solid	8015NM Prep	
880-7011-10	T1 (9')	Total/NA	Solid	8015NM Prep	
880-7011-11	T1 (10')	Total/NA	Solid	8015NM Prep	
880-7011-12	T1 (11')	Total/NA	Solid	8015NM Prep	
880-7011-13	T1 (12')	Total/NA	Solid	8015NM Prep	
880-7011-14	T2 (0-1')	Total/NA	Solid	8015NM Prep	
880-7011-15	T2 (1')	Total/NA	Solid	8015NM Prep	
880-7011-16	T2 (2')	Total/NA	Solid	8015NM Prep	
880-7011-17	T2 (3')	Total/NA	Solid	8015NM Prep	
880-7011-18	T2 (4')	Total/NA	Solid	8015NM Prep	
880-7011-19	T2 (5')	Total/NA	Solid	8015NM Prep	
880-7011-20	T2 (6')	Total/NA	Solid	8015NM Prep	
MB 880-9162/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9162/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9162/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7011-1 MS	T1 (0-1')	Total/NA	Solid	8015NM Prep	
880-7011-1 MSD	T1 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

GC Semi VOA

Prep Batch: 9163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-21	T2 (7')	Total/NA	Solid	8015NM Prep	
880-7011-22	T2 (8')	Total/NA	Solid	8015NM Prep	
880-7011-23	T2 (9')	Total/NA	Solid	8015NM Prep	
880-7011-24	T2 (10')	Total/NA	Solid	8015NM Prep	
880-7011-25	T3 (0-1')	Total/NA	Solid	8015NM Prep	
880-7011-26	T3 (1')	Total/NA	Solid	8015NM Prep	
880-7011-27	T3 (2')	Total/NA	Solid	8015NM Prep	
880-7011-28	T3 (3')	Total/NA	Solid	8015NM Prep	
880-7011-29	T3 (4')	Total/NA	Solid	8015NM Prep	
880-7011-30	T3 (5')	Total/NA	Solid	8015NM Prep	
880-7011-31	T3 (6')	Total/NA	Solid	8015NM Prep	
880-7011-32	T3 (7')	Total/NA	Solid	8015NM Prep	
MB 880-9163/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-9163/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-9163/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7011-21 MS	T2 (7')	Total/NA	Solid	8015NM Prep	
880-7011-21 MSD	T2 (7')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 9171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Total/NA	Solid	8015B NM	9162
880-7011-2	T1 (1')	Total/NA	Solid	8015B NM	9162
880-7011-3	T1 (2')	Total/NA	Solid	8015B NM	9162
880-7011-4	T1 (3')	Total/NA	Solid	8015B NM	9162
880-7011-5	T1 (4')	Total/NA	Solid	8015B NM	9162
880-7011-6	T1 (5')	Total/NA	Solid	8015B NM	9162
880-7011-7	T1 (6')	Total/NA	Solid	8015B NM	9162
880-7011-8	T1 (7')	Total/NA	Solid	8015B NM	9162
880-7011-9	T1 (8')	Total/NA	Solid	8015B NM	9162
880-7011-10	T1 (9')	Total/NA	Solid	8015B NM	9162
880-7011-11	T1 (10')	Total/NA	Solid	8015B NM	9162
880-7011-12	T1 (11')	Total/NA	Solid	8015B NM	9162
880-7011-13	T1 (12')	Total/NA	Solid	8015B NM	9162
880-7011-14	T2 (0-1')	Total/NA	Solid	8015B NM	9162
880-7011-15	T2 (1')	Total/NA	Solid	8015B NM	9162
880-7011-16	T2 (2')	Total/NA	Solid	8015B NM	9162
880-7011-17	T2 (3')	Total/NA	Solid	8015B NM	9162
880-7011-18	T2 (4')	Total/NA	Solid	8015B NM	9162
880-7011-19	T2 (5')	Total/NA	Solid	8015B NM	9162
880-7011-20	T2 (6')	Total/NA	Solid	8015B NM	9162
MB 880-9162/1-A	Method Blank	Total/NA	Solid	8015B NM	9162
LCS 880-9162/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9162
LCSD 880-9162/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9162
880-7011-1 MS	T1 (0-1')	Total/NA	Solid	8015B NM	9162
880-7011-1 MSD	T1 (0-1')	Total/NA	Solid	8015B NM	9162

Analysis Batch: 9173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-21	T2 (7')	Total/NA	Solid	8015B NM	9163
880-7011-22	T2 (8')	Total/NA	Solid	8015B NM	9163
880-7011-23	T2 (9')	Total/NA	Solid	8015B NM	9163

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

GC Semi VOA (Continued)

Analysis Batch: 9173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-24	T2 (10')	Total/NA	Solid	8015B NM	9163
880-7011-25	T3 (0-1')	Total/NA	Solid	8015B NM	9163
880-7011-26	T3 (1')	Total/NA	Solid	8015B NM	9163
880-7011-27	T3 (2')	Total/NA	Solid	8015B NM	9163
880-7011-28	T3 (3')	Total/NA	Solid	8015B NM	9163
880-7011-29	T3 (4')	Total/NA	Solid	8015B NM	9163
880-7011-30	T3 (5')	Total/NA	Solid	8015B NM	9163
880-7011-31	T3 (6')	Total/NA	Solid	8015B NM	9163
880-7011-32	T3 (7')	Total/NA	Solid	8015B NM	9163
MB 880-9163/1-A	Method Blank	Total/NA	Solid	8015B NM	9163
LCS 880-9163/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	9163
LCSD 880-9163/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	9163
880-7011-21 MS	T2 (7')	Total/NA	Solid	8015B NM	9163
880-7011-21 MSD	T2 (7')	Total/NA	Solid	8015B NM	9163

Analysis Batch: 9387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Total/NA	Solid	8015 NM	
880-7011-2	T1 (1')	Total/NA	Solid	8015 NM	
880-7011-3	T1 (2')	Total/NA	Solid	8015 NM	
880-7011-4	T1 (3')	Total/NA	Solid	8015 NM	
880-7011-5	T1 (4')	Total/NA	Solid	8015 NM	
880-7011-6	T1 (5')	Total/NA	Solid	8015 NM	
880-7011-7	T1 (6')	Total/NA	Solid	8015 NM	
880-7011-8	T1 (7')	Total/NA	Solid	8015 NM	
880-7011-9	T1 (8')	Total/NA	Solid	8015 NM	
880-7011-10	T1 (9')	Total/NA	Solid	8015 NM	
880-7011-11	T1 (10')	Total/NA	Solid	8015 NM	
880-7011-12	T1 (11')	Total/NA	Solid	8015 NM	
880-7011-13	T1 (12')	Total/NA	Solid	8015 NM	
880-7011-14	T2 (0-1')	Total/NA	Solid	8015 NM	
880-7011-15	T2 (1')	Total/NA	Solid	8015 NM	
880-7011-16	T2 (2')	Total/NA	Solid	8015 NM	
880-7011-17	T2 (3')	Total/NA	Solid	8015 NM	
880-7011-18	T2 (4')	Total/NA	Solid	8015 NM	
880-7011-19	T2 (5')	Total/NA	Solid	8015 NM	
880-7011-20	T2 (6')	Total/NA	Solid	8015 NM	
880-7011-21	T2 (7')	Total/NA	Solid	8015 NM	
880-7011-22	T2 (8')	Total/NA	Solid	8015 NM	
880-7011-23	T2 (9')	Total/NA	Solid	8015 NM	
880-7011-24	T2 (10')	Total/NA	Solid	8015 NM	
880-7011-25	T3 (0-1')	Total/NA	Solid	8015 NM	
880-7011-26	T3 (1')	Total/NA	Solid	8015 NM	
880-7011-27	T3 (2')	Total/NA	Solid	8015 NM	
880-7011-28	T3 (3')	Total/NA	Solid	8015 NM	
880-7011-29	T3 (4')	Total/NA	Solid	8015 NM	
880-7011-30	T3 (5')	Total/NA	Solid	8015 NM	
880-7011-31	T3 (6')	Total/NA	Solid	8015 NM	
880-7011-32	T3 (7')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

HPLC/IC

Leach Batch: 9210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Soluble	Solid	DI Leach	
880-7011-2	T1 (1')	Soluble	Solid	DI Leach	
880-7011-3	T1 (2')	Soluble	Solid	DI Leach	
880-7011-4	T1 (3')	Soluble	Solid	DI Leach	
880-7011-5	T1 (4')	Soluble	Solid	DI Leach	
880-7011-6	T1 (5')	Soluble	Solid	DI Leach	
880-7011-7	T1 (6')	Soluble	Solid	DI Leach	
880-7011-8	T1 (7')	Soluble	Solid	DI Leach	
880-7011-9	T1 (8')	Soluble	Solid	DI Leach	
880-7011-10	T1 (9')	Soluble	Solid	DI Leach	
880-7011-11	T1 (10')	Soluble	Solid	DI Leach	
880-7011-12	T1 (11')	Soluble	Solid	DI Leach	
880-7011-13	T1 (12')	Soluble	Solid	DI Leach	
MB 880-9210/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9210/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9210/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7011-1 MS	T1 (0-1')	Soluble	Solid	DI Leach	
880-7011-1 MSD	T1 (0-1')	Soluble	Solid	DI Leach	
880-7011-11 MS	T1 (10')	Soluble	Solid	DI Leach	
880-7011-11 MSD	T1 (10')	Soluble	Solid	DI Leach	

Leach Batch: 9211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-14	T2 (0-1')	Soluble	Solid	DI Leach	
880-7011-15	T2 (1')	Soluble	Solid	DI Leach	
880-7011-16	T2 (2')	Soluble	Solid	DI Leach	
880-7011-17	T2 (3')	Soluble	Solid	DI Leach	
880-7011-18	T2 (4')	Soluble	Solid	DI Leach	
880-7011-19	T2 (5')	Soluble	Solid	DI Leach	
880-7011-20	T2 (6')	Soluble	Solid	DI Leach	
880-7011-21	T2 (7')	Soluble	Solid	DI Leach	
880-7011-22	T2 (8')	Soluble	Solid	DI Leach	
880-7011-23	T2 (9')	Soluble	Solid	DI Leach	
880-7011-24	T2 (10')	Soluble	Solid	DI Leach	
880-7011-25	T3 (0-1')	Soluble	Solid	DI Leach	
MB 880-9211/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9211/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9211/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7011-14 MS	T2 (0-1')	Soluble	Solid	DI Leach	
880-7011-14 MSD	T2 (0-1')	Soluble	Solid	DI Leach	
880-7011-24 MS	T2 (10')	Soluble	Solid	DI Leach	
880-7011-24 MSD	T2 (10')	Soluble	Solid	DI Leach	

Leach Batch: 9213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-26	T3 (1')	Soluble	Solid	DI Leach	
880-7011-27	T3 (2')	Soluble	Solid	DI Leach	
880-7011-28	T3 (3')	Soluble	Solid	DI Leach	
880-7011-29	T3 (4')	Soluble	Solid	DI Leach	
880-7011-30	T3 (5')	Soluble	Solid	DI Leach	
880-7011-31	T3 (6')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

HPLC/IC (Continued)

Leach Batch: 9213 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-32	T3 (7')	Soluble	Solid	DI Leach	
MB 880-9213/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-9213/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-9213/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7011-26 MS	T3 (1')	Soluble	Solid	DI Leach	
880-7011-26 MSD	T3 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 9307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-1	T1 (0-1')	Soluble	Solid	300.0	9210
880-7011-2	T1 (1')	Soluble	Solid	300.0	9210
880-7011-3	T1 (2')	Soluble	Solid	300.0	9210
880-7011-4	T1 (3')	Soluble	Solid	300.0	9210
880-7011-5	T1 (4')	Soluble	Solid	300.0	9210
880-7011-6	T1 (5')	Soluble	Solid	300.0	9210
880-7011-7	T1 (6')	Soluble	Solid	300.0	9210
880-7011-8	T1 (7')	Soluble	Solid	300.0	9210
880-7011-9	T1 (8')	Soluble	Solid	300.0	9210
880-7011-10	T1 (9')	Soluble	Solid	300.0	9210
880-7011-11	T1 (10')	Soluble	Solid	300.0	9210
880-7011-12	T1 (11')	Soluble	Solid	300.0	9210
880-7011-13	T1 (12')	Soluble	Solid	300.0	9210
MB 880-9210/1-A	Method Blank	Soluble	Solid	300.0	9210
LCS 880-9210/2-A	Lab Control Sample	Soluble	Solid	300.0	9210
LCSD 880-9210/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9210
880-7011-1 MS	T1 (0-1')	Soluble	Solid	300.0	9210
880-7011-1 MSD	T1 (0-1')	Soluble	Solid	300.0	9210
880-7011-11 MS	T1 (10')	Soluble	Solid	300.0	9210
880-7011-11 MSD	T1 (10')	Soluble	Solid	300.0	9210

Analysis Batch: 9317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-14	T2 (0-1')	Soluble	Solid	300.0	9211
880-7011-15	T2 (1')	Soluble	Solid	300.0	9211
880-7011-16	T2 (2')	Soluble	Solid	300.0	9211
880-7011-17	T2 (3')	Soluble	Solid	300.0	9211
880-7011-18	T2 (4')	Soluble	Solid	300.0	9211
880-7011-19	T2 (5')	Soluble	Solid	300.0	9211
880-7011-20	T2 (6')	Soluble	Solid	300.0	9211
880-7011-21	T2 (7')	Soluble	Solid	300.0	9211
880-7011-22	T2 (8')	Soluble	Solid	300.0	9211
880-7011-23	T2 (9')	Soluble	Solid	300.0	9211
880-7011-24	T2 (10')	Soluble	Solid	300.0	9211
880-7011-25	T3 (0-1')	Soluble	Solid	300.0	9211
MB 880-9211/1-A	Method Blank	Soluble	Solid	300.0	9211
LCS 880-9211/2-A	Lab Control Sample	Soluble	Solid	300.0	9211
LCSD 880-9211/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9211
880-7011-14 MS	T2 (0-1')	Soluble	Solid	300.0	9211
880-7011-14 MSD	T2 (0-1')	Soluble	Solid	300.0	9211
880-7011-24 MS	T2 (10')	Soluble	Solid	300.0	9211
880-7011-24 MSD	T2 (10')	Soluble	Solid	300.0	9211

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

HPLC/IC

Analysis Batch: 9319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7011-26	T3 (1')	Soluble	Solid	300.0	9213
880-7011-27	T3 (2')	Soluble	Solid	300.0	9213
880-7011-28	T3 (3')	Soluble	Solid	300.0	9213
880-7011-29	T3 (4')	Soluble	Solid	300.0	9213
880-7011-30	T3 (5')	Soluble	Solid	300.0	9213
880-7011-31	T3 (6')	Soluble	Solid	300.0	9213
880-7011-32	T3 (7')	Soluble	Solid	300.0	9213
MB 880-9213/1-A	Method Blank	Soluble	Solid	300.0	9213
LCS 880-9213/2-A	Lab Control Sample	Soluble	Solid	300.0	9213
LCSD 880-9213/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	9213
880-7011-26 MS	T3 (1')	Soluble	Solid	300.0	9213
880-7011-26 MSD	T3 (1')	Soluble	Solid	300.0	9213

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (0-1')

Lab Sample ID: 880-7011-1

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 07:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 11:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		50			9307	10/12/21 13:48	CH	XEN MID

Client Sample ID: T1 (1')

Lab Sample ID: 880-7011-2

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 07:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 12:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 14:05	CH	XEN MID

Client Sample ID: T1 (2')

Lab Sample ID: 880-7011-3

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 07:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 13:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 14:11	CH	XEN MID

Client Sample ID: T1 (3')

Lab Sample ID: 880-7011-4

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 08:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (3')

Lab Sample ID: 880-7011-4

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 13:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		5			9307	10/12/21 14:16	CH	XEN MID

Client Sample ID: T1 (4')

Lab Sample ID: 880-7011-5

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 08:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 13:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		5			9307	10/12/21 14:22	CH	XEN MID

Client Sample ID: T1 (5')

Lab Sample ID: 880-7011-6

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 08:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 14:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 14:39	CH	XEN MID

Client Sample ID: T1 (6')

Lab Sample ID: 880-7011-7

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 09:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 14:33	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (6')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 14:45	CH	XEN MID

Client Sample ID: T1 (7')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 09:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 14:50	CH	XEN MID

Client Sample ID: T1 (8')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 10:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 14:56	CH	XEN MID

Client Sample ID: T1 (9')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 10:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		10			9307	10/12/21 15:01	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T1 (10')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 11:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 16:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		1			9307	10/12/21 17:04	CH	XEN MID

Client Sample ID: T1 (11')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 12:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		1			9307	10/12/21 15:24	CH	XEN MID

Client Sample ID: T1 (12')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 12:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 17:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9210	10/11/21 12:29	CH	XEN MID
Soluble	Analysis	300.0		1			9307	10/12/21 15:30	CH	XEN MID

Client Sample ID: T2 (0-1')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 12:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (0-1')

Lab Sample ID: 880-7011-14

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		10			9317	10/12/21 17:15	CH	XEN MID

Client Sample ID: T2 (1')

Lab Sample ID: 880-7011-15

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 13:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 17:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		20			9317	10/12/21 17:36	CH	XEN MID

Client Sample ID: T2 (2')

Lab Sample ID: 880-7011-16

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 13:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 18:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		20			9317	10/12/21 17:44	CH	XEN MID

Client Sample ID: T2 (3')

Lab Sample ID: 880-7011-17

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 13:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 18:30	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (3')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		20			9317	10/12/21 17:51	CH	XEN MID

Client Sample ID: T2 (4')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 14:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		20			9317	10/12/21 17:58	CH	XEN MID

Client Sample ID: T2 (5')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 14:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		20			9317	10/12/21 18:19	CH	XEN MID

Client Sample ID: T2 (6')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	9118	10/11/21 13:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 14:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9162	10/09/21 12:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9171	10/10/21 19:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		20			9317	10/12/21 18:26	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (7')

Lab Sample ID: 880-7011-21

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/12/21 23:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 11:39	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		10			9317	10/12/21 18:34	CH	XEN MID

Client Sample ID: T2 (8')

Lab Sample ID: 880-7011-22

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/12/21 23:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 12:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1			9317	10/13/21 10:59	CH	XEN MID

Client Sample ID: T2 (9')

Lab Sample ID: 880-7011-23

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 00:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 13:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1			9317	10/12/21 18:48	CH	XEN MID

Client Sample ID: T2 (10')

Lab Sample ID: 880-7011-24

Date Collected: 10/07/21 00:00

Matrix: Solid

Date Received: 10/08/21 11:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 01:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T2 (10')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 13:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		1			9317	10/12/21 18:55	CH	XEN MID

Client Sample ID: T3 (0-1')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 01:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 13:50	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9211	10/11/21 12:43	CH	XEN MID
Soluble	Analysis	300.0		10			9317	10/12/21 19:17	CH	XEN MID

Client Sample ID: T3 (1')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 01:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 14:12	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 17:15	CH	XEN MID

Client Sample ID: T3 (2')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 02:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 14:33	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (2')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 17:36	CH	XEN MID

Client Sample ID: T3 (3')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 02:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 17:43	CH	XEN MID

Client Sample ID: T3 (4')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 02:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 17:50	CH	XEN MID

Client Sample ID: T3 (5')

Date Collected: 10/07/21 00:00

Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 03:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 17:57	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Client Sample ID: T3 (6')
Date Collected: 10/07/21 00:00
Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 03:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 16:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 18:16	CH	XEN MID

Client Sample ID: T3 (7')
Date Collected: 10/07/21 00:00
Date Received: 10/08/21 11:12

Lab Sample ID: 880-7011-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8975	10/11/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	9324	10/13/21 03:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			9366	10/13/21 08:57	KL	XEN MID
Total/NA	Analysis	8015 NM		1			9387	10/13/21 14:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	9163	10/09/21 12:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			9173	10/10/21 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	9213	10/11/21 12:50	CH	XEN MID
Soluble	Analysis	300.0		1			9319	10/12/21 18:22	CH	XEN MID

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Copperhead Fee 31 E CTB (9.07.21)

Job ID: 880-7011-1
SDG: Eddy Co NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global

Job ID: 880-7011-1

Project/Site: Copperhead Fee 31 E CTB (9.07.21)

SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7011-1	T1 (0-1')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-2	T1 (1')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-3	T1 (2')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-4	T1 (3')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-5	T1 (4')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-6	T1 (5')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-7	T1 (6')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-8	T1 (7')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-9	T1 (8')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-10	T1 (9')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-11	T1 (10')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-12	T1 (11')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-13	T1 (12')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-14	T2 (0-1')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-15	T2 (1')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-16	T2 (2')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-17	T2 (3')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-18	T2 (4')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-19	T2 (5')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-20	T2 (6')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-21	T2 (7')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-22	T2 (8')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-23	T2 (9')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-24	T2 (10')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-25	T3 (0-1')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-26	T3 (1')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-27	T3 (2')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-28	T3 (3')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-29	T3 (4')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-30	T3 (5')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-31	T3 (6')	Solid	10/07/21 00:00	10/08/21 11:12
880-7011-32	T3 (7')	Solid	10/07/21 00:00	10/08/21 11:12



Chain of Custody



880-/011 Chain of Custody

Page 1 of 1

Project Manager	Mike Carmona	Bill to: (if different)	Jacqui Harris
Company Name	NTG Environmental	Company Name	COG Operating LLC
Address	701 Tradewinds BLVD	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving, NM 88256
Phone:	575-312-7736	Email	jacqui.harris@conocophillips.com

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

[illegible][illegible]

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Nick</i>		10/8/21 11:12	2		
3			4		
5			6		



Chain of Custody

Work Order No: _____

Page 2 of 4

Project Manager	Mike Cammona	Bill to: (if different)	Jacqu Harris
Company Name	NTG Environmental	Company Name	COG Operating LLC
Address:	701 Tradewinds BLVD	Address:	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving NM 88256
Phone:	575-312-7736	Email	jacqui.harris@conocophillips.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name	Copperhead Fee 31 E CTB (9 07 21)	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	214672	☐ Routine ☒ Rush														None NO	DI Water H ₂ O
Project Location	Eddy Co. NM	Due Date	72 hrs													Cool Cool	MeOH Me
Sampler's Name:	NH	TAT starts the day received by the lab if received by 4 30pm														HCL HC	HNO ₃ HN
PO #:																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Thermometer ID	Yes ☒ No ☐												H ₃ PO ₄ HP	
Received intact:	Yes ☒ No ☐		Correction Factor	Yes ☒ No ☐												NaHSO ₄ NABIS	
Cooler Custody Seals:	Yes ☒ No ☐		Temperature Reading	Yes ☒ No ☐												Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐		Corrected Temperature	Yes ☒ No ☐												Zn Acetate+NaOH Zn	
Total Containers:																NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH												Sample Comments
T1 (10')	10/7/2021	-	X		G	1	X	X	X										
T1 (11')	10/7/2021	-	X		G	1	X	X	X										
T1 (12')	10/7/2021	-	X		G	1	X	X	X										
T2 (0-1')	10/7/2021	-	X		G	1	X	X	X										
T2 (1')	10/7/2021	-	X		G	1	X	X	X										
T2 (2')	10/7/2021	-	X		G	1	X	X	X										
T2 (3')	10/7/2021	-	X		G	1	X	X	X										
T2 (4')	10/7/2021	-	X		G	1	X	X	X										
T2 (5')	10/7/2021	-	X		G	1	X	X	X										
T2 (6')	10/7/2021	-	X		G	1	X	X	X										

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	10/8/21 11:12	2		
3			4		
5			6		



Chain of Custody

Work Order No: _____

Page 3 of 4

Project Manager	Mike Carmoma	Bill to (if different)	Jacqui Harris
Company Name	NTG Environmental	Company Name	COG Operating LLC
Address	701 Tradewinds BLVD	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving NM 88256
Phone	575-312-7736	Email	jacqui_harris@conocophillips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other ☐	

Project Name:		Copperhead Fee 31 E CTB (9 07 21)		Turn Around				ANALYSIS REQUEST		Preservative Codes	
Project Number		214672		☐ Routine ☒ Rush						None NO	
Project Location		Eddy Co. NM		Due Date		72 hrs				Cool Cool	
Sampler's Name		NH		TAT starts the day received by the lab if received by 4 30pm						HCL HC	
PO #:										H ₂ SO ₄ H ₂	
SAMPLE RECEIPT		Temp Blank.		Yes ☒ No ☐		Thermometer ID:		1R8		H ₃ PO ₄ HP	
		Received Intact.		Yes ☒ No ☐		Correction Factor.		0.5		NaHSO ₄ NABIS	
		Cooler Custody Seals		Yes ☐ No ☒		Temperature Reading		3.0		Na ₂ S ₂ O ₃ NaSO ₃	
		Sample Custody Seals		Yes ☐ No ☒		Corrected Temperature		3-5		Zn Acetate+NaOH Zn	
		Total Containers.								NaOH+Ascorbic Acid SAPC	
Parameters				BTX 8021B		8015M (GRO + DRO + MRO)		Chloride 300 0		HOLD	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	PH										Sample Comments	
T2 (7)	10/7/2021	-	X		G	1	X	X	X									
T2 (8)	10/7/2021	-	X		G	1	X	X	X									
T2 (9)	10/7/2021	-	X		G	1	X	X	X									
T2 (10)	10/7/2021	-	X		G	1	X	X	X									
T3 (0-1)	10/7/2021	-	X		G	1	X	X	X									
T3 (1)	10/7/2021	-	X		G	1	X	X	X									
T3 (2)	10/7/2021	-	X		G	1	X	X	X									
T3 (3)	10/7/2021	-	X		G	1	X	X	X									
T3 (4)	10/7/2021	-	X		G	1	X	X	X									
T3 (5)	10/7/2021	-	X		G	1	X	X	X									

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Wm it</i>		11:12 10/8/21	2		
3			4		
5			6		



Chain of Custody

Work Order No: _____

Page 4 of 4

Project Manager	Mike Carmona	Bill to, (if different)	Jacqui Harris
Company Name:	NTG Environmental	Company Name	COG Operating, LLC
Address:	701 Tradewinds BLVD	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79706	City, State ZIP	Loving, NM 88256
Phone:	575-312-7736	Email	jacqui.harris@conocophillips.com

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting Level I ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐ Deliverables EDD ☐ ADaPT ☐ Other

[illegible]

Additional Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>M. M. M.</i>	<i>[Signature]</i>	10/8/21 11:12			
2					
3					
4					
5					
6					

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-7011-1

SDG Number: Eddy Co NM

Login Number: 7011

List Number: 1

Creator: Johnson, Allison

List Source: Eurofins Xenco, Midland

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

District IV

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

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

CONDITIONS

Action 76935

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 76935
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. As all excavation proposed accommodates the requirements of 19.15.29.12 NMAC, OCD sees no need to evaluate depth to groundwater.	2/9/2022