



Site Information

Work Plan
Diamondback #22 State 2H (08.30.2021)
Incident ID: NAPP2129931373
Eddy County, New Mexico
Unit D Sec 22 T26S R28E
32.033656°, -104.081850°

Produced Water
Source: Flowline leak due to internal corrosion
Release Date: 08/30/2021
Volume Released: 0 bbls/Crude Oil & 6 bbls/ Produced Water
Volume Recovered: 0 bbls/Crude Oil & 0 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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March 29, 2022

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

**Re: Work Plan
Diamondback #22 State 2H (08.30.2021)
COG Operating, LLC
Incident # NAPP2129931373
Site Location: Unit D, S22, T26S, R28E
(Lat 32.033656°, Long -104.081850°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of COG Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities related to a release at the Diamondback #22 State 2H location (Site) on August 30, 2021. The Site is located in Eddy County approximately 13.48 miles Southwest of Malaga, New Mexico (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 August 30, 2021 and was a results of internal corrosion on a pump. The corrosion resulted in the release of approximately zero (0) barrels of crude oil and six (6) barrels of produced water of which zero (0) barrels were recovered. The release area is shown on Figure 3. The initial C-141 form is included in Appendix A.

Site Characterization

The site is located within a medium karst area. Based on a review of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) databases, one (1) known water source is located within a ½ mile radius of the Site. The nearest identified well is located approximately 0.34 miles South of the site in S22, T26S, R28E and was drilled in 1961. The well has a reported depth to groundwater of 120 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is included in Appendix B.

On November 16, 2021, Scarborough Drilling, Inc was contracted to install a soil boring to assess the presence and depth of groundwater at the Site. A single boring (GWDB) was installed to a depth of 59 ft bgs. The soil boring was left open for 72 hours and a water level was placed into the soil boring to access the presence of water. No water was detected at 59 ft bgs. The soil boring location is shown on Figure 3. A boring log depicting the encountered lithology is included in Appendix B.

Mr. Mike Bratcher
March 29, 2022
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Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC and the determination that the depth of groundwater at the Site is greater 50 ft bgs, the following criteria are applicable at the Site.

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

Site Assessment

Site assessment activities were conducted over three events to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using various sample collection methodologies and submitted to an accredited laboratory for chemical analysis. Soil samples were field screened for volatile organic compounds (VOCs) and chloride.

All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0). The combined analytical results from each sampling event are provided in Table 1, attached. Soil sample locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached. A photographic log documenting Site conditions at the time of the initial assessment is attached. Complete details of each sampling event are further described below.

Initial Assessment

On September 9, 2021, NTGE conducted site assessment activities to horizontally and vertically delineate the extent of impacts from the release. A total of thirteen (13) vertical (S-1 through S-12) and fourteen (14) horizontal sample points (H-1 through H-14) were installed to total depths ranging from 0 - 4.5 ft bgs with a geotechnical handauger. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Soil samples selected for chemical analysis were collected from various depth intervals based on field screening results.

Analytical results from the initial assessment activities identified elevated TPH and chloride concentrations across the release area. Soil samples collected immediately west and northwest of the point of release were below the regulatory limits for all COC at the Site; however, soil impacts across the remainder of the release area extend to depths ranging from 1 – 4.5 ft bgs. The vertical delineation of soil impacts was not achieved and further assessment was required. Analytical results of all horizontal delineation samples were below the regulatory limits.

Follow-On Sampling - Trenches

On September 22, 2021, NTGE conducted follow-on sampling activities to vertically delineate soil impacts in the areas of sample points S-4, S-5, S-9, S-10, S-11, and S-12. A total of six (6) trenches (T1 – T6) were installed with a backhoe and advanced to depths ranging from 3 to 11 ft bgs. Samples were collected directly from the center of the backhoe bucket to prevent cross contamination.

Mr. Mike Bratcher
March 29, 2022
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Analytical results from the trench sampling activities indicated that vertical delineation was achieved in all trenches except for T4 and T5. Impacts identified in T4 and T5 extended to the total depths of each trench at depths of 11 ft bgs and 5 ft bgs, respectively. Further assessment was required to assess the vertical extent of impacts in the areas of S-10/T4 and S-11/T5.

Follow-On Sampling – Soil Boring Installations

On November 16, 2021, NTGE conducted additional follow-on sampling activities to vertically delineate soil impacts in the areas of sample points S-10/T4 and S-11/T5. A total of two (2) soil boring BH-1 and BH-2 were installed using an air rotary drilling rig and advanced to depths ranging from 15 to 25 ft bgs. Soil samples selected for chemical analysis were collected from various depth intervals based on field screening results.

Analytical results from the soil boring installations indicated that vertical delineation was achieved in BH-1 and BH-2. The samples collected from BH-1 did not confirm the presence of previously identified impacts in S-10 and T-4; however, the area will be addressed in the proposed work plan below. The sample collected from the boring terminus in BH-2 is elevated for total TPH; however, based on field observations and the analytical results of multiple samples collected and analyzed from 11 to 20 ft bgs in BH-2 indicate the results are likely a result of cross-contamination.

Proposed Work Plan

Based on the analytical results, COG proposes the excavation and disposal of impacted soils above the regulatory limits. The proposed excavation depths may not be reached due to wall cave-ins and/or safety concerns for onsite personnel. Additionally, the excavation of impacted soil around oil and gas equipment, structures, and/or lines may not be feasible or practicable due to safety concerns for onsite personnel. As such, impacted soils will be excavated to the maximum extent practicable.

The proposed excavation areas and depths are detailed below and illustrated on Figures 4a and 4b.

- The areas of S-3 and S-6 will be excavated to a depth of 1.5 ft bgs and backfilled with clean material to grade.
- The area of S-9/T3 will be excavated to a depth of 2 ft bgs and backfilled with clean material to grade.
- The area of S-4/T1 will be excavated to a depth of 3 ft bgs and backfilled with clean material to grade.
- The area of S-5/T2 and S-13 will be excavated to a depth of 4 ft bgs and backfilled with clean material to grade.
- The area of S-11/T5/BH-2, S-12/T6, and S-10/T4/BH-1 will be excavated to a depth of 4 ft bgs, capped with a 20-mil polyethylene liner, and backfilled with clean material to grade.

Composite confirmation excavation base and sidewalls samples will be collected every 500 square feet and analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0 to confirm excavation activities are successful in addressing identified impacts. Excavated soil will be hauled to a permitted disposal facility for final disposition.

Mr. Mike Bratcher
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Liner Variance

Per rule 19.15.29.14, COG requests a variance to install a 20-mil liner at 4.0' below surface to prevent vertical migration of the deeper TPH impacts above the regulatory limits. Prior to liner installation, composite sidewall samples will be collected every 500 square feet to represent the release area for documentation purposes.

Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved. COG estimates approximately 1,217 cubic yards to be removed and hauled to the nearest disposal.

Closing

The remediation will be implemented within 90 days of work plan approval. Upon completion, a final report detailing the remedial actions will be submitted to the NMOCD. If you have any questions regarding this report or need any additional information, please contact us at 432.582.7193.

Sincerely,
NTG Environmental

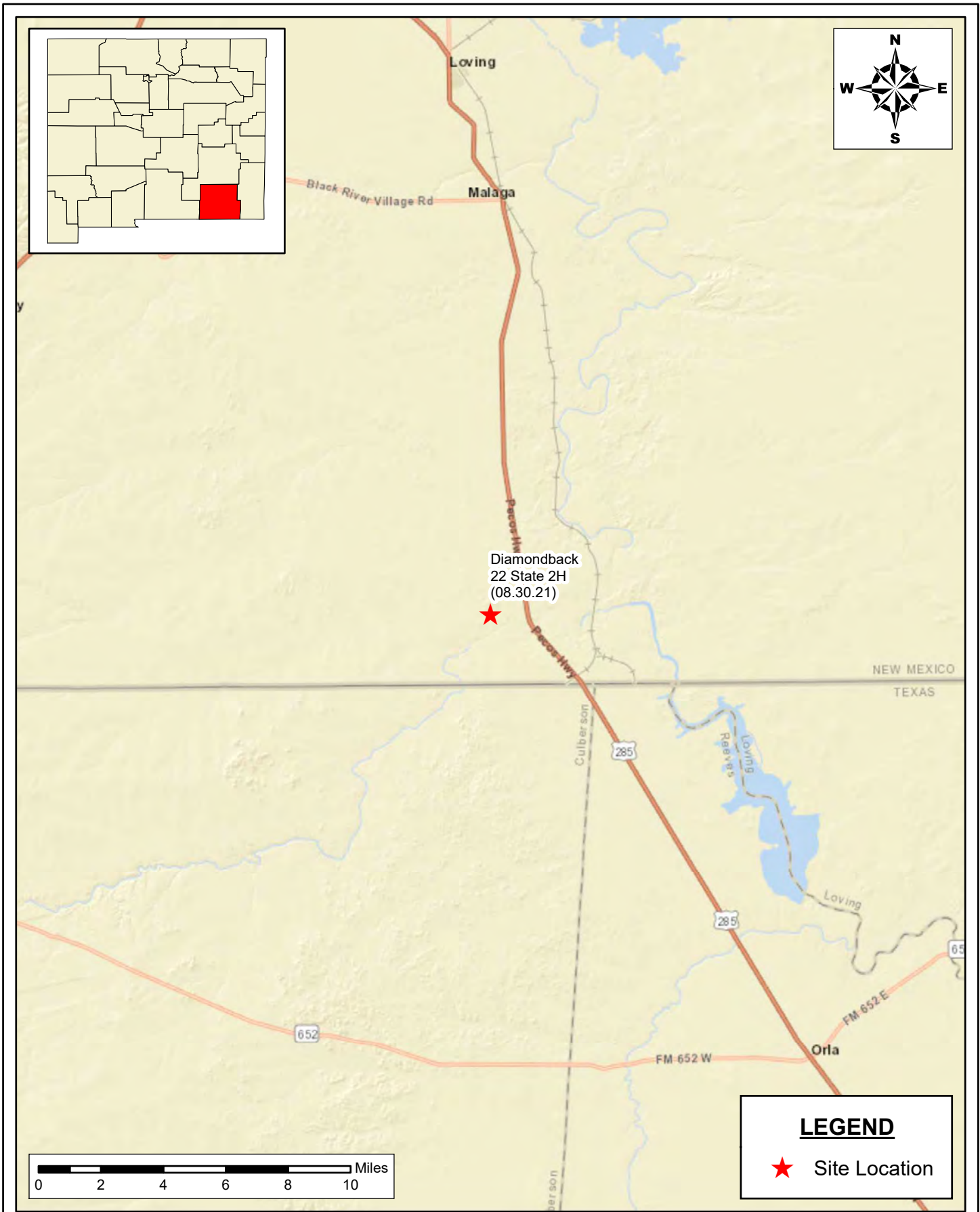


Gordon Banks, REM, CSE, CESCO
Operations Manager



Figures

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LEGEND

★ Site Location

SITE LOCATION MAP
COG OPERATING
 DIAMONDBACK 22 STATE 2H (08.30.21)
 EDDY COUNTY, NEW MEXICO
 32.033095°, -104.080912°

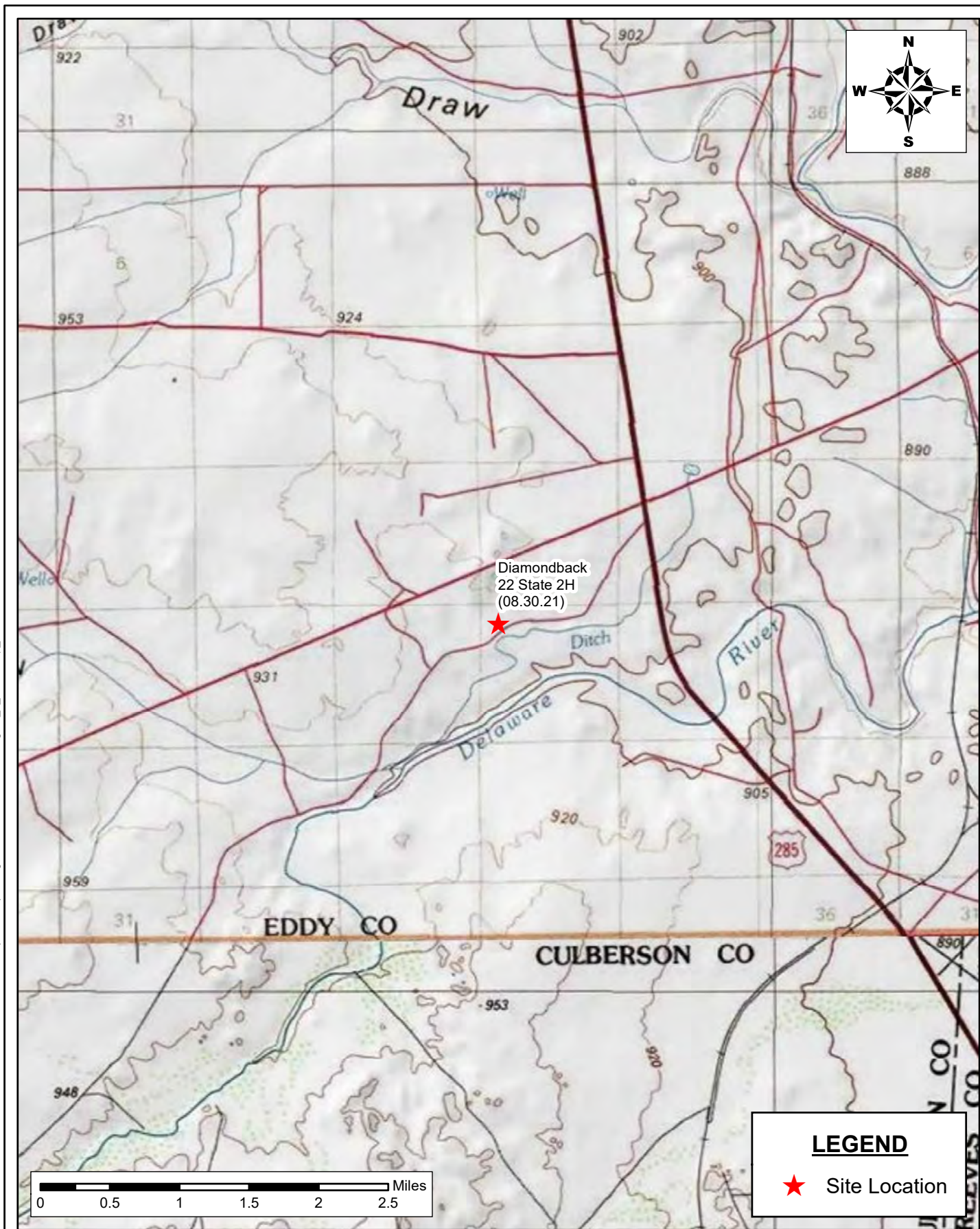
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NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
 SHEET NUMBER:
1 of 1

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LEGEND

★ Site Location

AREA MAP
COG OPERATING
 DIAMONDBACK 22 STATE 2H (08.30.21)
 EDDY COUNTY, NEW MEXICO
 32.033095°, -104.080912°

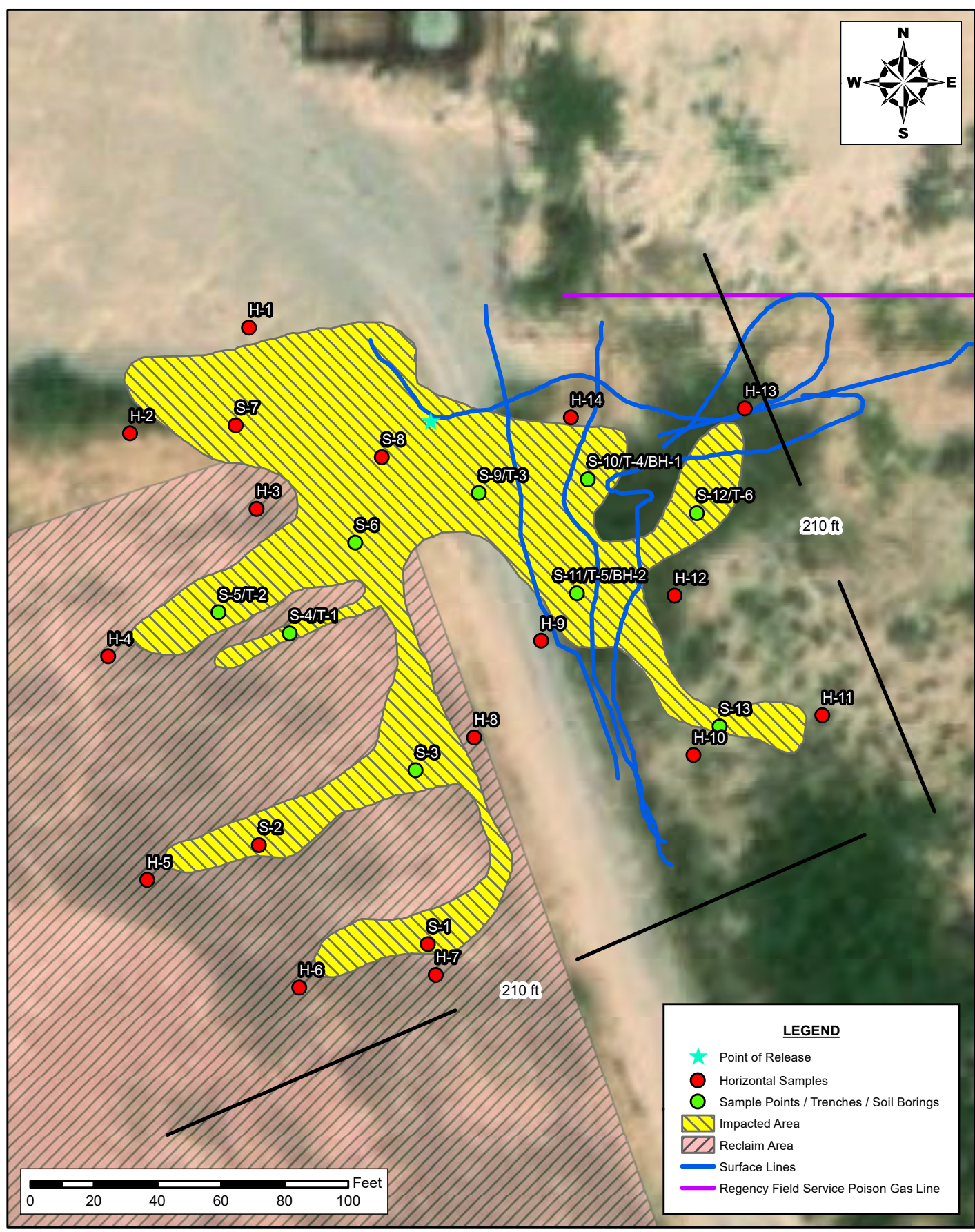
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NOTES:
 1. Base Image: ESRI Maps & Data 2013
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DRAWING NUMBER:
FIGURE 2
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1 of 1

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SAMPLE LOCATION MAP
COG OPERATING
 DIMONDBACK 22 STATE 2H (08.30.21)
 EDDY COUNTY, NEW MEXICO
 32.033095°, -104.080912°

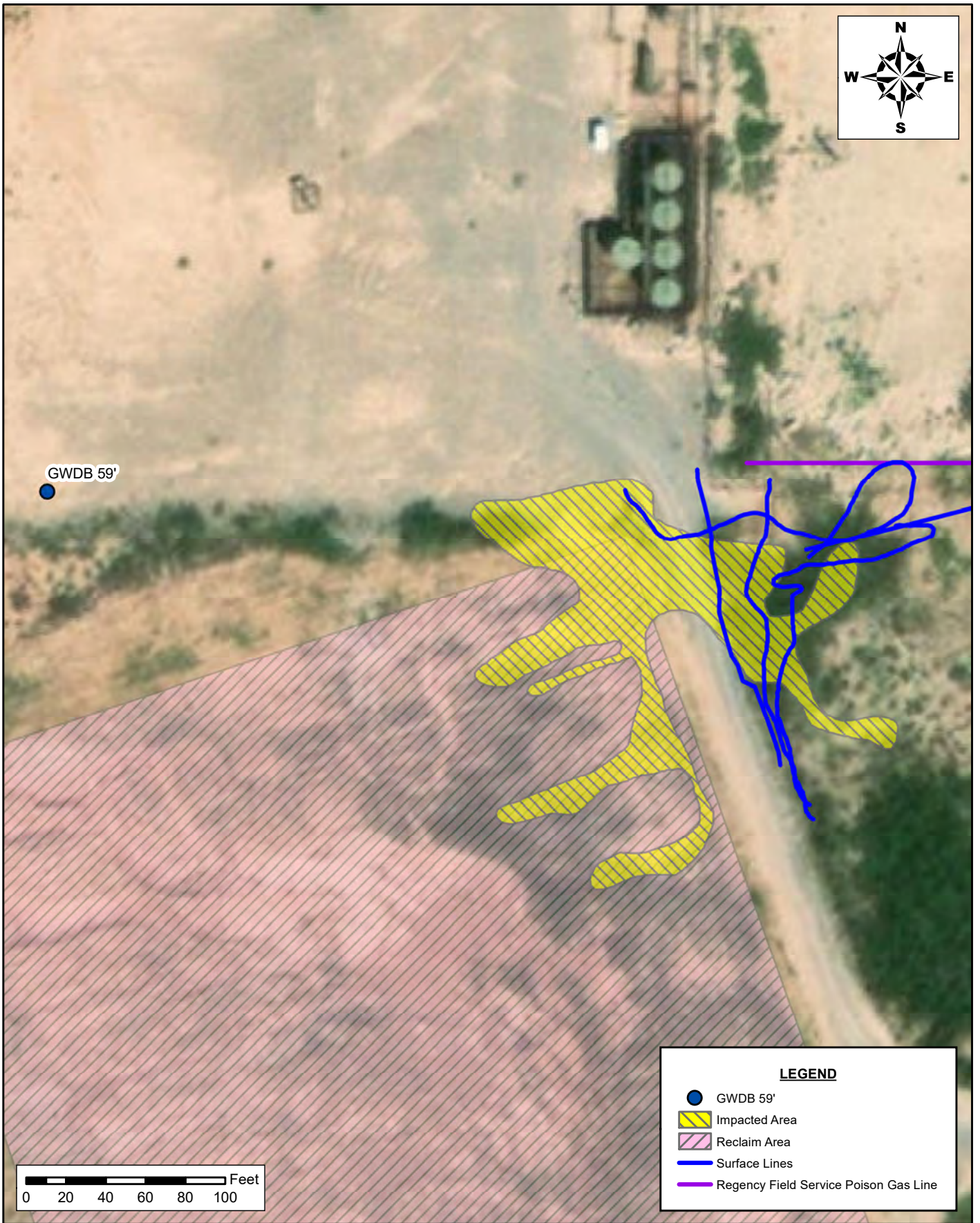
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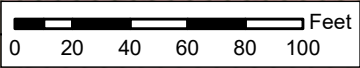
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LEGEND

- GWDB 59'
- Impacted Area
- Reclaim Area
- Surface Lines
- Regency Field Service Poison Gas Line



**SAMPLE LOCATION MAP
COG OPERATING**

DIMONDBACK 22 STATE 2H (08.30.21)
EDDY COUNTY, NEW MEXICO
32.033095°, -104.080912°

SCALE: As Shown	Date: 3/2/2022	PROJECT #: 214634
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NTG
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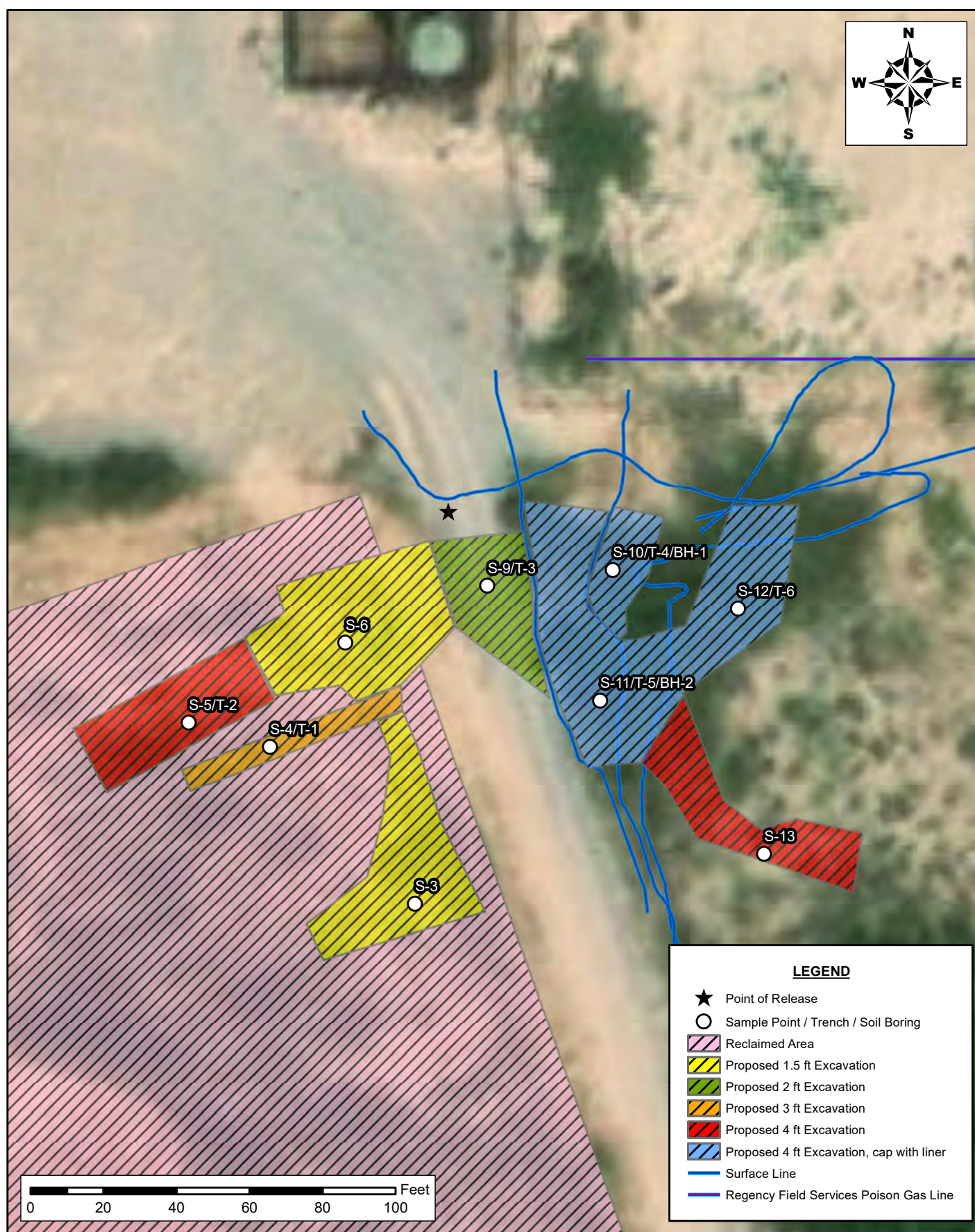
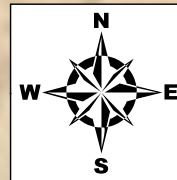
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FIGURE 3B

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1 of 1

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LEGEND

- ★ Point of Release
- Sample Point / Trench / Soil Boring
- Reclaimed Area
- Proposed 1.5 ft Excavation
- Proposed 2 ft Excavation
- Proposed 3 ft Excavation
- Proposed 4 ft Excavation
- Proposed 4 ft Excavation, cap with liner
- Surface Line
- Regency Field Services Poison Gas Line



SAMPLE LOCATION MAP
COG OPERATING
 DIMONDBACK 22 STATE 2H (08.30.21)
 EDDY COUNTY, NEW MEXICO
 32.033095°, -104.080912°

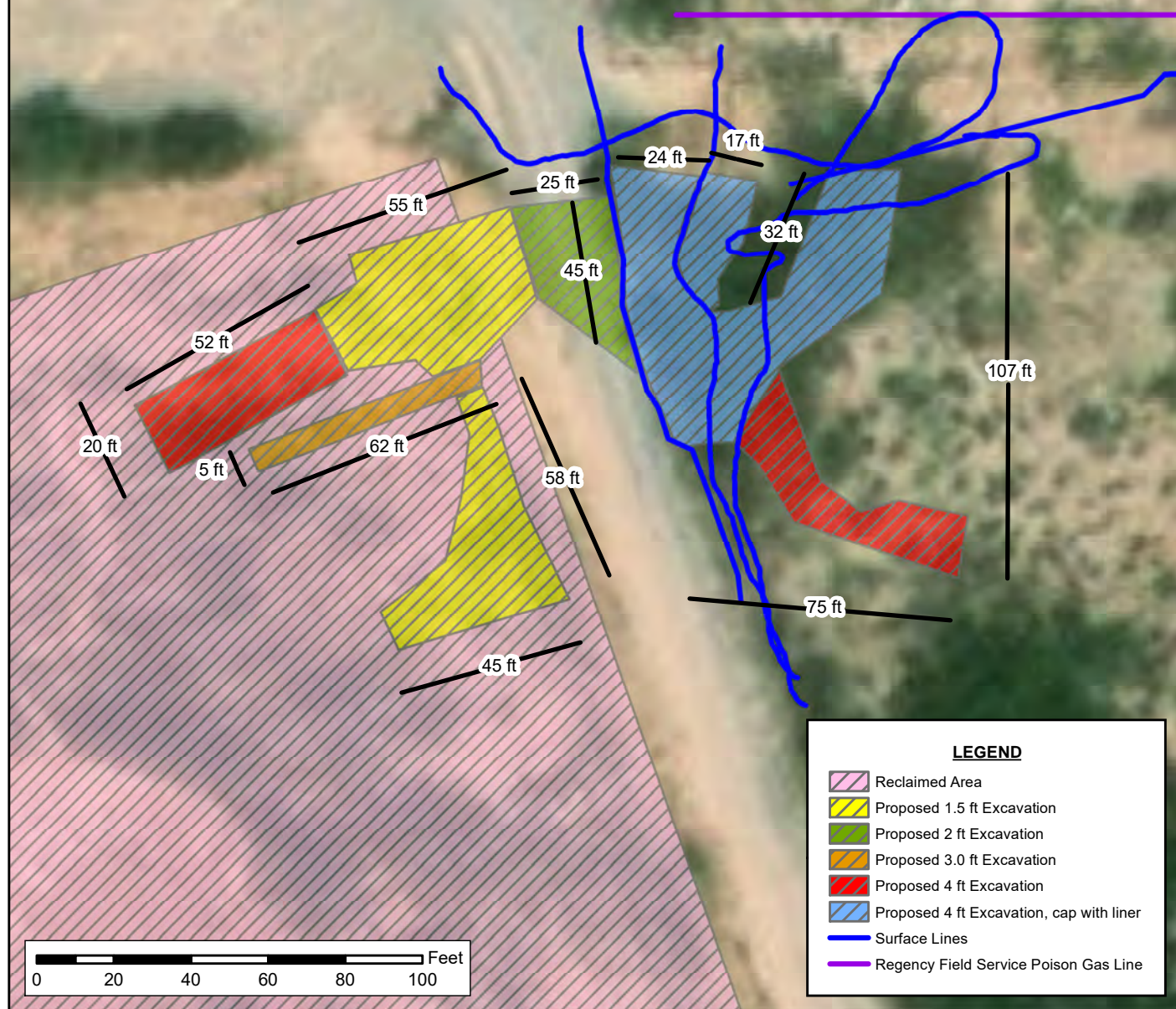
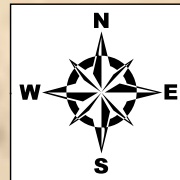
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NOTES:
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DRAWING NUMBER:
FIGURE 4A
 SHEET NUMBER:
1 of 1

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LEGEND

- Reclaimed Area
- Proposed 1.5 ft Excavation
- Proposed 2 ft Excavation
- Proposed 3.0 ft Excavation
- Proposed 4 ft Excavation
- Proposed 4 ft Excavation, cap with liner
- Surface Lines
- Regency Field Service Poison Gas Line

PROPOSED EXCAVATION AREA and DEPTH MAP

COG OPERATING
DIMONDBACK 22 STATE 2H (08.30.21)
EDDY COUNTY, NEW MEXICO
32.033095°, -104.080912°



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NOTES:

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DRAWING NUMBER:

FIGURE 4B

SHEET NUMBER:

1 of 1

SCALE: As Shown Date: 3/29/2022 PROJECT #: 214634



Tables

**Table 1 - Soil Analytical Results
COG Operating, LLC
COG Diamondback 22 State (8.30.21)
Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrocarbons (mg/kg)					Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	GRO + DRO	Total						
Vertical Delineation Samples													
S-1	9/9/2021	0-1	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	35.6
		1-1.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	30.5
		2-2.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.9
		3-3.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.0
		4-4.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	114
S-2	9/9/2021	0-1	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	41.9
		1-1.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.7
		2-2.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.5
		3-3.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	82.6
S-3	9/9/2021	0-1	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,560
		1-1.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	162
		2-2.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	31.4
		3-3.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	566
S-4	9/9/2021	0-1	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,420
		1-1.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,150
		2-2.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	778
Trench 1	9/22/2021	0-1	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	82.8
		1	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00200	68.4
		2	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	297
		3	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00200	441
		4	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00200	79.2
S-5	9/9/2021	0-1	<49.8	83.3	<49.8	83.3	83.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,750
		1-1.5	<49.7	273	<49.7	273	273	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6,780
		2-2.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,960
		3-3.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,670
Trench 2	9/22/2021	0-1	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00200	2,610
		1	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	103
		2	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00200	426
		3	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	67.1
		4	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00200	46.7
S-6	9/9/2021	0-1	<49.8	84.5	<49.8	84.5	84.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7,180
		1-1.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	121
		2-2.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	357
		3-3.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	349
		0-1	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	48.4
S-7	9/9/2021	1-1.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	90.4
		2-2.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.1

**Table 1 - Soil Analytical Results
COG Operating, LLC
COG Diamondback 22 State (8.30.21)
Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrocarbons (mg/kg)					Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	GRO + DRO	Total						
S-8	9/9/2021	0-1	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	235
		1-1.5	<49.8	<49.8	<49.8	<49.8	<49.8	0.00316	<0.00199	<0.00199	<0.00398	<0.00398	150
		2-2.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	60.6
		3-3.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	186
S-9	9/9/2021	0-1	109	3,770	459	3,879	4,340	0.00788	<0.00201	0.0283	0.189	0.225	1,190
		1-1.5	306	4,010	448	4,316	4,760	<0.00202	<0.00202	0.130	0.888	1.02	630
Trench 3	9/22/2021	0-1	<49.9	5,030	626	5,030	5,660	<0.00202	0.00588	0.0232	0.198	0.227	3,300
		1	<49.9	161	75.8	161	237	<0.00202	<0.00202	<0.00202	<0.00403	<0.00200	64.4
		2	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	30.3
		3	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	50.6
S-10	9/9/2021	0-1	<49.8	198	<49.8	198	198	<0.00202	<0.00202	0.00272	0.0352	0.0379	11,800
		1-1.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.00461	0.00461	15,000
		2-2.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.00503	0.00503	14,200
		3-3.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12,200
Trench 4	9/22/2021	0-1	<50.0	2,730	264	2,730	2,990	<0.0398	<0.0398	<0.0398	3.56	3.56	1,840
		1	126	5,800	586	5,926	6,510	0.342	0.223	0.104	13.6	15.3	6,880
		2	206	5,190	526	5,396	5,920	0.245	0.0835	0.0586	12.7	13.1	7,200
		3	204	2,980	327	3,184	3,510	0.405	0.0930	0.0577	13.6	14.2	2,980
		4	286	3,580	379	3,866	4,250	0.290	0.101	0.0549	11.3	11.7	7,390
		5	<49.8	340	<49.8	340	340	<0.00199	<0.00199	<0.00199	<0.00398	<0.00200	8,100
		6	125	749	<50.0	874	874	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	8,030
		7	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00200	4,880
		8	<49.9	742	<49.9	742	742	<0.00201	0.00245	0.00719	0.197	0.207	9,450
		9	<49.8	718	<49.8	718	718	0.00213	<0.00200	0.00825	0.0336	0.0440	6,510
		10	<50.0	3,610	<50.0	3,610	3,610	<0.00199	<0.00199	<0.00199	<0.00398	<0.00200	3,300
11	<49.9	2,890	<49.9	2,890	2,890	0.00493	<0.00200	0.0161	0.109	0.130	2,930		
BH-1	11/16/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,950
		2-3'	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.4
		4-5'	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	137
		6-7'	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	315
		9-10'	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	336
		11-12'	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	207
14-15'	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	93.8		

**Table 1 - Soil Analytical Results
COG Operating, LLC
COG Diamondback 22 State (8.30.21)
Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrocarbons (mg/kg)					Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	GRO + DRO	Total						
S-11	9/9/2021	0-1	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,420
		1-1.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	10,100
		2-2.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15,200
		3-3.5	<50.0	103	<50.0	103	103	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13,600
		4-4.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14,100
Trench 5	9/22/2021	0-1	<49.9	424	<49.9	424	424	<0.00200	0.00227	0.00664	0.0470	0.0559	8,270
		1	123	595	<49.8	718	718	0.00729	<0.00201	<0.00201	0.169	0.176	8,720
		2	<50.0	<50.0	<50.0	<50.0	<50.0	0.00568	<0.00199	<0.00199	0.00773	0.0134	6,770
		3	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	37.1
		4	<49.9	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00200	30.3
BH-2	11/16/2021	0-1'	482	3100	<50.0	3,582	3580	<0.398	<0.398	1.94	0.157	22.6	6,110
		2-3'	56.6	569	<49.8	626	626	<0.398	1.73	0.450	0.177	6.45	7,730
		4-5'	<50.0	140	<50.0	140	140	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,980
		6-7'	<49.9	315	<49.9	315	315	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	476
		9-10'	<50.0	304	<50.0	304	304	<0.00199	<0.00199	0.00582	0.122	0.128	4,720
		11-12'	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	2420
		14-15'	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2930
		19-20'	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	495
		25'	56.0	70.6	<49.8	127	127	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	275
S-12	9/9/2021	0-1	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.8
		1-1.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,650
		2-2.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,470
		3-3.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,050
		4-4.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	835
Trench 6	9/22/2021	0-1	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	0.00223	69.4
		1	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<4.98
		2	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	10.6
		3	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00200	0.00218	<0.00200	<0.00401	0.00218	<5.02
		4	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00200	11.7
		5	<49.8	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	5.25
S-13	9/9/2021	0-1	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12,900
		1-1.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10,800
		2-2.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,910
		3-3.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,370
		4-4.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	375
Horizontal Delineation Samples													
H-1	9/9/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.4
H-2	9/9/2021	0-0.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.6

**Table 1 - Soil Analytical Results
COG Operating, LLC
COG Diamondback 22 State (8.30.21)
Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrocarbons (mg/kg)					Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	GRO + DRO	Total							
H-3	9/9/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	81.7	
H-4	9/9/2021	0-0.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.9	
H-5	9/9/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.6	
H-6	9/9/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.4	
H-7	9/9/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.90	
H-8	9/9/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	10.9	
H-9	9/9/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.7	
H-10	9/9/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	11.4	
H-11	9/9/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.5	
H-12	9/9/2021	0-0.5	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.2	
H-13	9/9/2021	0-0.5	<49.7	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.03	
H-14	9/9/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98	
Regulatory Limits ^A			N/A					1,000.0	2,500	10	N/A		50	10,000

- exceeds regulatory limit

ft - feet

mg/kg - milligram per kilogram

^A - Table 1 - 19.15.29 NMAC



Photo Log

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Diamonback #22 State 2H (08.30.21)

County: Eddy County, New Mexico

Description:

View West, area of Sample Point (S-1)



Photograph No. 2

Facility: Diamonback #22 State 2H (08.30.21)

County: Eddy County, New Mexico

Description:

View Southwest, area of Sample Point (S-2, S-3)



Photograph No. 3

Facility: Diamonback #22 State 2H (08.30.21)

County: Eddy County, New Mexico

Description:

View Southwest, Area of Sample Point (S-4/Trench-1)



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View West, Area of Sample Point (S-5/Trench-2, S-6)



Photograph No. 5

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View Southeast, Area of Sample Point (S-7, S-8)



Photograph No. 6

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View Southeast, Area of Sample Point (S-9/Trench-3)



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View Northeast, Area of Sample Point (S-10/Trench-4)



Photograph No. 8

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View Southeast, Area of Sample Point (S-11/Trench-5)

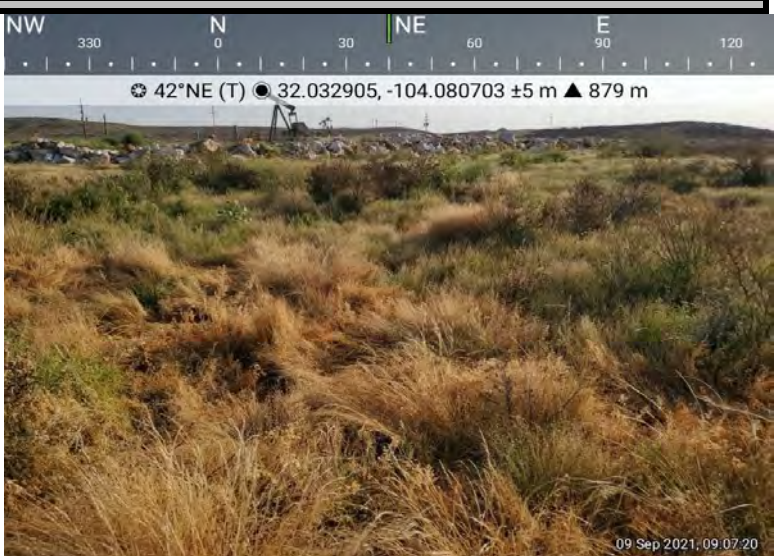


Photograph No. 9

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View Northeast, Area of Sample Point (S-12/Trench-6)



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 10

Facility: Diamonback #22 State 2H
(08.30.21)

County: Eddy County, New Mexico

Description:
View East, Area of Sample Point (S-13)





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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division


Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

L48 Spill Volume Estimate Form												
Facility Name & Number:		Diamondback 22 St 2H										
Asset Area:		DBWN										
Release Discovery Date & Time:		8.30.21										
Release Type:		Oil Mixture										
Provide any known details about the event:		Flowline had puncture.										
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 Pool 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	50.0	80.0	0.50	4	4000.000	0.010	7.417	0.001	7.421	50.00%	3.710	3.710
Rectangle B	50.0	50.0	0.50	4	2500.000	0.010	4.635	0.001	4.638	50.00%	2.319	2.319
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Total Volume Release:									12.058		6.029	6.029

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: *Jacqueline Morris* Date: 4/4/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: *Jacqui Heredia* Date: 4/4/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: *Jannifar Nobui* Date: _____



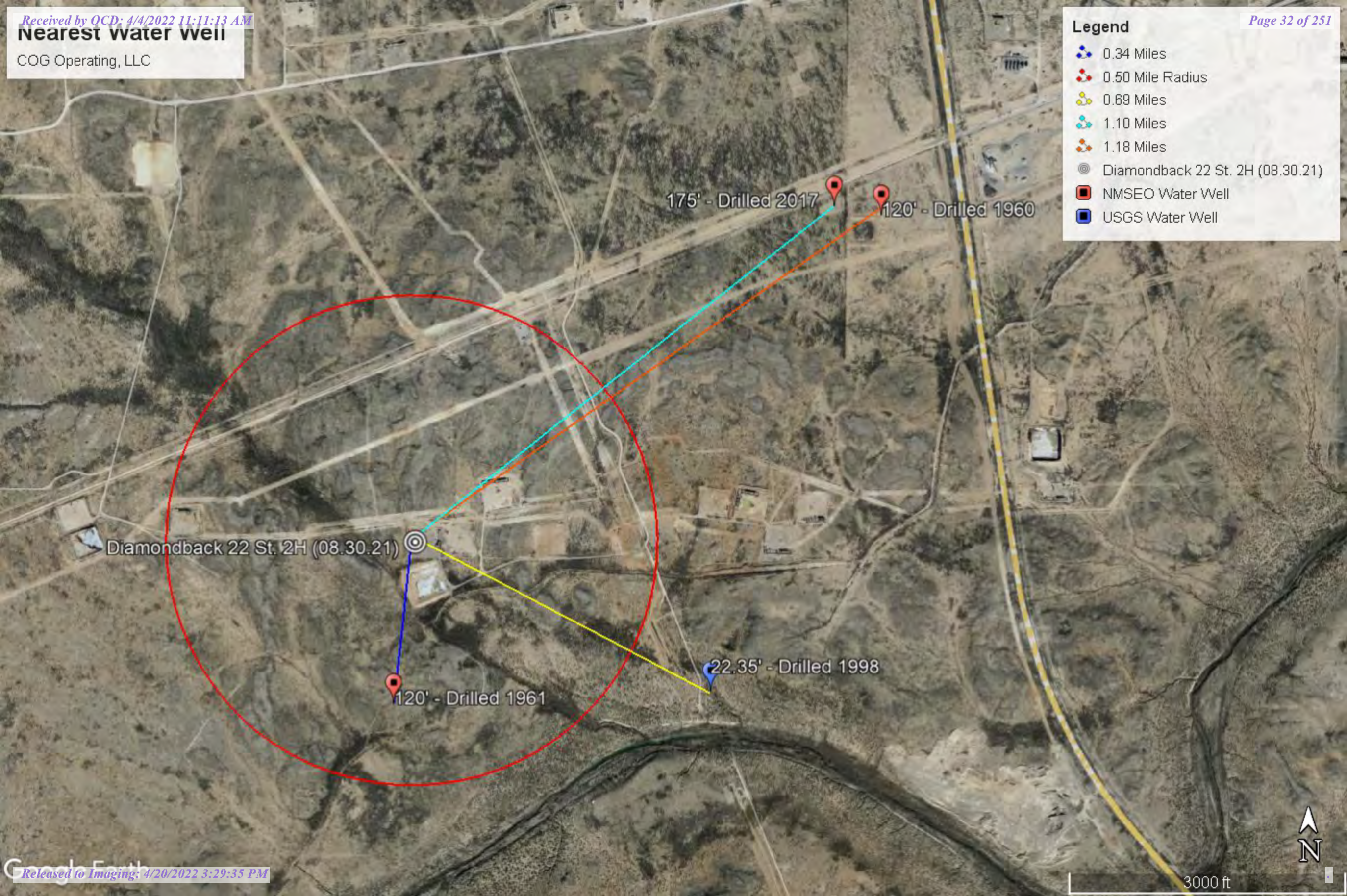
Appendix B

Nearest water well

COG Operating, LLC

Legend



-  0.34 Miles
-  0.50 Mile Radius
-  0.69 Miles
-  1.10 Miles
-  1.18 Miles
-  Diamondback 22 St. 2H (08.30.21)
-  NMSEO Water Well
-  USGS Water Well



Medium Karst

COG Operating, LLC

Legend

-  Diamondback 22 St. 2H (08.30.21)
-  MEDIUM





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column	
C 01668	CUB	ED		3	3	12	26S	28E	589957	3546554*		250	100	150	
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*		300	120	180
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*		300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*		300	120	180
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*		300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*		300	120	180
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*		300	120	180
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*		300	120	180
C 02160 S7	CUB	ED		3	3	1	22	26S	28E	586638	3543998*		300	120	180
C 02160 S8	CUB	ED		2	3	3	12	26S	28E	590056	3546653*		200	120	80
C 02160 S9	CUB	ED		3	3	2	02	26S	28E	589020	3548868*		300	120	180
C 02477	CUB	ED		1	1	03	26S	28E	586687	3549347*		150			
C 02478	CUB	ED		2	1	05	26S	28E	583848	3549325*		100			
C 02479	CUB	ED		4	4	10	26S	28E	587909	3546534*		200			
C 02480	CUB	ED		4	4	10	26S	28E	587909	3546534*		150			
C 02481	CUB	ED		1	1	14	26S	28E	588326	3546138*		200			
C 02894	C	ED		2	2	3	12	26S	28E	590458	3547061*		240		
C 02924	C	ED		1	3	2	11	26S	28E	589032	3547451*				
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647		220	175	45
C 04022 POD2	CUB	ED		2	2	2	27	26S	28E	588106	3543082		250	145	105
C 04466 POD1	CUB	ED		3	3	2	29	26S	28E	584327	3542357		96	33	63

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)								
Well Tag	POD Number		Q64	Q16	Q4	Sec	Tw	Rng	X	Y
C	02160 S7		3	3	1	22	26S	28E	586638	3543998*

Driller License:	Driller Company:	
Driller Name: HEMLER		
Drill Start Date:	Drill Finish Date: 01/01/1961	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 300 feet	Depth Water: 120 feet

*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.

8/6/21 7:21 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD1	4	4	2	15	26S	28E	588082	3545647

Driller License: 1184	Driller Company: WEST TEXAS WATER WELL SERVICE	
Driller Name: KEITH, RONNY		
Drill Start Date: 05/01/2017	Drill Finish Date: 05/05/2017	Plug Date:
Log File Date: 06/05/2017	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 1 GPM
Casing Size: 12.25	Depth Well: 220 feet	Depth Water: 175 feet

Water Bearing Stratifications:	Top	Bottom	Description
	175	180	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	220

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.

8/9/21 8:25 AM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: [Next Generation Station 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 measu
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.

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
- [News](#)

[Accessibility](#)
 [FOIA](#)
 [Privacy](#)
 [Policies and Notices](#)

[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: 2021-08-09 10:33:55 EDT

0.27 0.24 nadww02

NFHL Web Mapping Application

Please select a county ▼



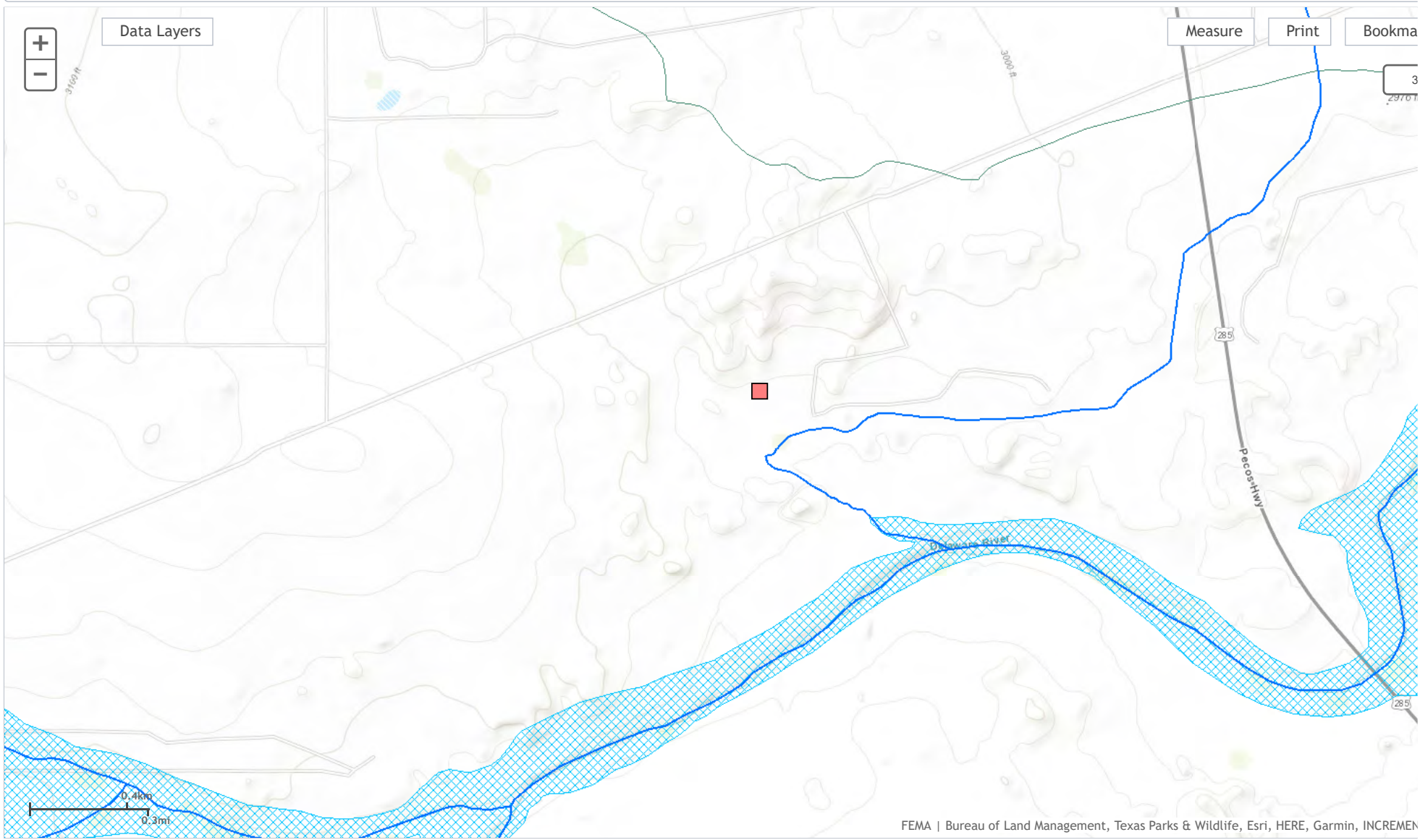
Data Layers

Measure

Print

Bookma

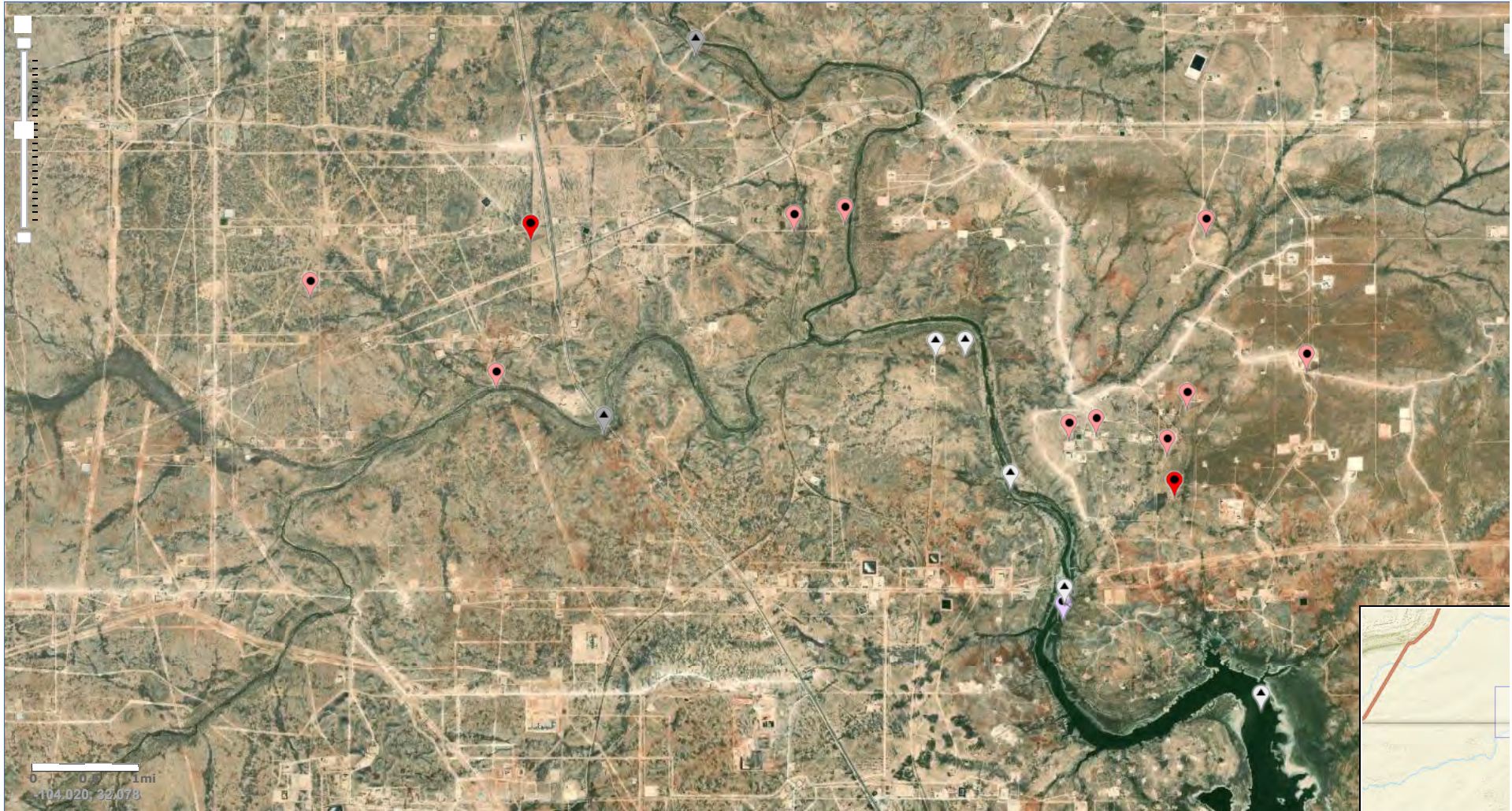
3



FEMA | Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENTAL



National Water Information System: Mapper



Site Information



Appendix C



Project Name :	<u>Diamondback 22 State 2H(08.30.2021)</u>	Date :	<u>November 16, 2021</u>
Project No. :	<u>214634</u>	Sampler :	<u>Clint Merritt</u>
Location :	<u>Eddy Co, New Mexico</u>	Driller :	<u>Scarborough Drilling</u>
Coordinates :	<u>32.03314°, -104.08201°</u>	Method :	<u>Air Rotary</u>
Elevation :	<u>2,991'</u>		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish Orange/White well graded gravel with <50% coarse sand and caliche (GW). Dry		50		(50') - Light brown soft clay with <50% fine loose sand (CL). Dry	
5		(5') - Light reddish brown loose, medium sand with <50% fine well cemented gravel (SW). Dry		55			
10		(10') - Light reddish brown/ white loose fine sand with <25% fine well cemented gravel (SW). Dry		60		(59') - Light brown soft clay with 50% fine loose sand (CL). Moist	
15				65			
20		(20') - Light brown loose fine sand with <25% fine poorly cemented gravel and trace gypsum (SM). Dry		70			
25		(25') - White fine very loose sand with 100% gypsum (ML). Dry		75			
30				80			
35				85			
40				90			
45				95			
50				100			

Comments : Total Depth 59' bgs
 Drilling Terminated @ 14:00 CT No groundwater present

On 11/19/2021 No groundwater present



Appendix D



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-5958-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Diamondback 22 State 2H (8.30.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:
9/15/2021 1:43:06 PM

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



LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
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.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Laboratory Job ID: 880-5958-1
SDG: Eddy Co, NM

- 1
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Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
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, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Job ID: 880-5958-1

Laboratory: Eurofins Xenco, Midland

Narrative

**Job Narrative
880-5958-1**

Receipt

The samples were received on 9/10/2021 11:36 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 4.1°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-9 (0-0.1') (880-5958-32). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7757 and analytical batch 880-7783 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7758 and analytical batch 880-7857 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 sample was outside control limits: S-13 (4-4.'5) (880-5958-52). 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.

GC Semi VOA

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 for preparation batch 880-7760 and analytical batch 880-7817 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 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7762 and analytical batch 880-7826 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.



Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-5958-1

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:39	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:39	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:39	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		09/10/21 13:46	09/12/21 20:39	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:39	1
Xylenes, Total	<0.00401	U F1 F2	0.00401		mg/Kg		09/10/21 13:46	09/12/21 20:39	1
Total BTEX	<0.00401	U F1 F2	0.00401		mg/Kg		09/10/21 13:46	09/12/21 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/10/21 13:46	09/12/21 20:39	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/10/21 13:46	09/12/21 20:39	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		09/10/21 13:49	09/10/21 22:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/10/21 22:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/10/21 22:50	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/10/21 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	09/10/21 13:49	09/10/21 22:50	1
o-Terphenyl	117		70 - 130	09/10/21 13:49	09/10/21 22:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.6		4.97		mg/Kg			09/11/21 18:24	1

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-5958-2

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 20:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/12/21 20:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/12/21 20:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/12/21 20:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/12/21 20:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/12/21 20:59	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/12/21 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	09/10/21 13:46	09/12/21 20:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/10/21 13:46	09/12/21 20:59	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	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/10/21 23:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-5958-2

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/10/21 23:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/10/21 23:54	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/10/21 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/10/21 13:49	09/10/21 23:54	1
o-Terphenyl	115		70 - 130				09/10/21 13:49	09/10/21 23:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.5		4.99		mg/Kg			09/11/21 18:29	1

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-5958-3

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 21:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 21:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 21:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 21:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 21:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 21:20	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/10/21 13:46	09/12/21 21:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/10/21 13:46	09/12/21 21:20	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		09/10/21 13:49	09/11/21 00:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 00:16	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/10/21 13:49	09/11/21 00:16	1
o-Terphenyl	114		70 - 130				09/10/21 13:49	09/11/21 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		5.01		mg/Kg			09/11/21 18:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-1 (3-3.5')

Lab Sample ID: 880-5958-4

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 21:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 21:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 21:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 21:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 21:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 21:40	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	09/10/21 13:46	09/12/21 21:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/10/21 13:46	09/12/21 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	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 00:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 00:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 00:37	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	09/10/21 13:49	09/11/21 00:37	1
o-Terphenyl	113		70 - 130	09/10/21 13:49	09/11/21 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.0		5.00		mg/Kg			09/11/21 18:52	1

Client Sample ID: S-1 (4-4.5')

Lab Sample ID: 880-5958-5

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 22:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/12/21 22:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/12/21 22:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/12/21 22:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/12/21 22:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/12/21 22:00	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/12/21 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/10/21 13:46	09/12/21 22:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/10/21 13:46	09/12/21 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	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 00:59	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (4-4.5')

Lab Sample ID: 880-5958-5

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	49.8		mg/Kg		09/10/21 13:49	09/11/21 00:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 00:59	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/10/21 13:49	09/11/21 00:59	1
o-Terphenyl	111		70 - 130				09/10/21 13:49	09/11/21 00:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.99		mg/Kg			09/13/21 13:30	1

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-5958-6

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 22:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:46	09/12/21 22:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:46	09/12/21 22:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/10/21 13:46	09/12/21 22:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:46	09/12/21 22:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/10/21 13:46	09/12/21 22:21	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		09/10/21 13:46	09/12/21 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/10/21 13:46	09/12/21 22:21	1
1,4-Difluorobenzene (Surr)	90		70 - 130				09/10/21 13:46	09/12/21 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	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 01:20	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/10/21 13:49	09/11/21 01:20	1
o-Terphenyl	113		70 - 130				09/10/21 13:49	09/11/21 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		5.04		mg/Kg			09/13/21 13:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-5958-7

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 22:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/12/21 22:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/12/21 22:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/12/21 22:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/12/21 22:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/12/21 22:41	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/12/21 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	09/10/21 13:46	09/12/21 22:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/10/21 13:46	09/12/21 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	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 01:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 01:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 01:42	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/10/21 13:49	09/11/21 01:42	1
o-Terphenyl	113		70 - 130	09/10/21 13:49	09/11/21 01:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		4.98		mg/Kg			09/13/21 13:52	1

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-5958-8

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 23:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 23:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 23:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 23:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 23:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 23:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/10/21 13:46	09/12/21 23:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/10/21 13:46	09/12/21 23:02	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		09/10/21 13:49	09/11/21 02:03	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-5958-8

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	49.8		mg/Kg		09/10/21 13:49	09/11/21 02:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 02:03	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 02:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/10/21 13:49	09/11/21 02:03	1
o-Terphenyl	113		70 - 130				09/10/21 13:49	09/11/21 02:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.5		4.95		mg/Kg			09/13/21 13:58	1

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-5958-9

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 23:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 23:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 23:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/12/21 23:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 23:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/12/21 23:22	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/12/21 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/10/21 13:46	09/12/21 23:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/10/21 13:46	09/12/21 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		09/10/21 13:49	09/11/21 02:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 02:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 02:25	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/10/21 13:49	09/11/21 02:25	1
o-Terphenyl	112		70 - 130				09/10/21 13:49	09/11/21 02:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.6		5.05		mg/Kg			09/13/21 14:03	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-5958-10

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/12/21 23:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 23:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 23:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 23:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/12/21 23:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 23:42	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/12/21 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	09/10/21 13:46	09/12/21 23:42	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/10/21 13:46	09/12/21 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		09/10/21 13:49	09/11/21 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 02:46	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	09/10/21 13:49	09/11/21 02:46	1
o-Terphenyl	111		70 - 130	09/10/21 13:49	09/11/21 02:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5560		49.7		mg/Kg			09/13/21 14:20	10

Client Sample ID: S-3 (1-1.5')

Lab Sample ID: 880-5958-11

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 01:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/13/21 01:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/13/21 01:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/13/21 01:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/13/21 01:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/13/21 01:04	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/13/21 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/10/21 13:46	09/13/21 01:04	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/10/21 13:46	09/13/21 01:04	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		09/10/21 13:49	09/11/21 03:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1-1.5')

Lab Sample ID: 880-5958-11

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:49	09/11/21 03:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 03:29	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/10/21 13:49	09/11/21 03:29	1
o-Terphenyl	115		70 - 130				09/10/21 13:49	09/11/21 03:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.96		mg/Kg			09/13/21 14:26	1

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-5958-12

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 01:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:46	09/13/21 01:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:46	09/13/21 01:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/10/21 13:46	09/13/21 01:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:46	09/13/21 01:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/10/21 13:46	09/13/21 01:24	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		09/10/21 13:46	09/13/21 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				09/10/21 13:46	09/13/21 01:24	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/10/21 13:46	09/13/21 01:24	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		09/10/21 13:49	09/11/21 03:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 03:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 03:51	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 13:49	09/11/21 03:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/10/21 13:49	09/11/21 03:51	1
o-Terphenyl	116		70 - 130				09/10/21 13:49	09/11/21 03:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.4		5.01		mg/Kg			09/13/21 14:31	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (3-3.5')

Lab Sample ID: 880-5958-13

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 01:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/13/21 01:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/13/21 01:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/13/21 01:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/13/21 01:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/13/21 01:45	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/13/21 01:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/10/21 13:46	09/13/21 01:45	1
1,4-Difluorobenzene (Surr)	85		70 - 130	09/10/21 13:46	09/13/21 01:45	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	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 04:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 04:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 04:12	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/10/21 13:49	09/11/21 04:12	1
o-Terphenyl	111		70 - 130	09/10/21 13:49	09/11/21 04:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	566		4.98		mg/Kg			09/13/21 14:37	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-5958-14

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 02:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 02:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 02:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/13/21 02:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 02:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/13/21 02:05	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/13/21 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	09/10/21 13:46	09/13/21 02:05	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/10/21 13:46	09/13/21 02:05	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		09/10/21 13:49	09/11/21 04:34	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-5958-14

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	49.8		mg/Kg		09/10/21 13:49	09/11/21 04:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 04:34	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 04:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/10/21 13:49	09/11/21 04:34	1
o-Terphenyl	113		70 - 130				09/10/21 13:49	09/11/21 04:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		5.00		mg/Kg			09/13/21 14:43	1

Client Sample ID: S-4 (1-1.5')

Lab Sample ID: 880-5958-15

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 02:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/13/21 02:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/13/21 02:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/13/21 02:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:46	09/13/21 02:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/13/21 02:26	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:46	09/13/21 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/10/21 13:46	09/13/21 02:26	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				09/10/21 13:46	09/13/21 02:26	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	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 04:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 04:55	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/10/21 13:49	09/11/21 04:55	1
o-Terphenyl	111		70 - 130				09/10/21 13:49	09/11/21 04:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1150		5.00		mg/Kg			09/13/21 14:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-4 (2-2.5')

Lab Sample ID: 880-5958-16

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 02:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 02:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 02:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/13/21 02:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 02:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/13/21 02:46	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/10/21 13:46	09/13/21 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/10/21 13:46	09/13/21 02:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/10/21 13:46	09/13/21 02:46	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		09/10/21 13:49	09/11/21 05:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 05:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 05:16	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	09/10/21 13:49	09/11/21 05:16	1
o-Terphenyl	117		70 - 130	09/10/21 13:49	09/11/21 05:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	778		4.98		mg/Kg			09/13/21 15:05	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-5958-17

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 03:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/13/21 03:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/13/21 03:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/13/21 03:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:46	09/13/21 03:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/13/21 03:07	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		09/10/21 13:46	09/13/21 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	09/10/21 13:46	09/13/21 03:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	09/10/21 13:46	09/13/21 03:07	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	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 05:37	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-5958-17

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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)	83.3		49.8		mg/Kg		09/10/21 13:49	09/11/21 05:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 05:37	1
Total TPH	83.3		49.8		mg/Kg		09/10/21 13:49	09/11/21 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/10/21 13:49	09/11/21 05:37	1
o-Terphenyl	117		70 - 130				09/10/21 13:49	09/11/21 05:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5750		49.5		mg/Kg			09/13/21 15:11	10

Client Sample ID: S-5 (1-1.5')

Lab Sample ID: 880-5958-18

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 03:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 03:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 03:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/10/21 13:46	09/13/21 03:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/13/21 03:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/10/21 13:46	09/13/21 03:27	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/10/21 13:46	09/13/21 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				09/10/21 13:46	09/13/21 03:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/10/21 13:46	09/13/21 03:27	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	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 05:58	1
Diesel Range Organics (Over C10-C28)	273		49.7		mg/Kg		09/10/21 13:49	09/11/21 05:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 13:49	09/11/21 05:58	1
Total TPH	273		49.7		mg/Kg		09/10/21 13:49	09/11/21 05:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/10/21 13:49	09/11/21 05:58	1
o-Terphenyl	113		70 - 130				09/10/21 13:49	09/11/21 05:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6780		49.6		mg/Kg			09/13/21 15:28	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-5958-19

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 03:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/13/21 03:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/13/21 03:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/13/21 03:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/13/21 03:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/13/21 03:47	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/13/21 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	09/10/21 13:46	09/13/21 03:47	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/10/21 13:46	09/13/21 03:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 06:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 06:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 06:18	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 13:49	09/11/21 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/10/21 13:49	09/11/21 06:18	1
o-Terphenyl	116		70 - 130	09/10/21 13:49	09/11/21 06:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1960		25.2		mg/Kg			09/13/21 15:33	5

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-5958-20

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:46	09/13/21 04:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/13/21 04:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/13/21 04:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/13/21 04:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:46	09/13/21 04:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/13/21 04:08	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 13:46	09/13/21 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/10/21 13:46	09/13/21 04:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/10/21 13:46	09/13/21 04:08	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		09/10/21 13:49	09/11/21 06:39	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-5958-20

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:49	09/11/21 06:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 06:39	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/11/21 06:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/10/21 13:49	09/11/21 06:39	1
o-Terphenyl	124		70 - 130				09/10/21 13:49	09/11/21 06:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1670		24.9		mg/Kg			09/13/21 15:39	5

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-5958-21

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
Total BTEX	<0.00401	U F1 F2	0.00401		mg/Kg		09/10/21 13:52	09/13/21 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/10/21 13:52	09/13/21 05:17	1
1,4-Difluorobenzene (Surr)	98		70 - 130				09/10/21 13:52	09/13/21 05:17	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	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/10/21 22:50	1
Diesel Range Organics (Over C10-C28)	84.5		49.8		mg/Kg		09/10/21 14:03	09/10/21 22:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/10/21 22:50	1
Total TPH	84.5		49.8		mg/Kg		09/10/21 14:03	09/10/21 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/10/21 14:03	09/10/21 22:50	1
o-Terphenyl	130		70 - 130				09/10/21 14:03	09/10/21 22:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7180		49.5		mg/Kg			09/13/21 15:44	10

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-6 (1-1.'5)

Lab Sample ID: 880-5958-22

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 05:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 05:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 05:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 05:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 05:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 05:37	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/10/21 13:52	09/13/21 05:37	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/10/21 13:52	09/13/21 05:37	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	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/10/21 23:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/10/21 23:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/10/21 23:54	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/10/21 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	09/10/21 14:03	09/10/21 23:54	1
o-Terphenyl	125		70 - 130	09/10/21 14:03	09/10/21 23:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		4.95		mg/Kg			09/13/21 15:50	1

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-5958-23

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 05:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 05:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 05:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 05:58	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	09/10/21 13:52	09/13/21 05:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/10/21 13:52	09/13/21 05:58	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		09/10/21 14:03	09/11/21 00:16	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-5958-23

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 14:03	09/11/21 00:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 00:16	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/10/21 14:03	09/11/21 00:16	1
o-Terphenyl	119		70 - 130				09/10/21 14:03	09/11/21 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	357		4.96		mg/Kg			09/13/21 15:56	1

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-5958-24

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 06:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 06:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 06:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 13:52	09/13/21 06:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 06:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 13:52	09/13/21 06:18	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 13:52	09/13/21 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				09/10/21 13:52	09/13/21 06:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/10/21 13:52	09/13/21 06:18	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	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 00:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 00:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 00:37	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/10/21 14:03	09/11/21 00:37	1
o-Terphenyl	131	S1+	70 - 130				09/10/21 14:03	09/11/21 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		5.00		mg/Kg			09/13/21 16:01	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-5958-25

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 06:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 06:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 06:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/10/21 13:52	09/13/21 06:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 06:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/10/21 13:52	09/13/21 06:38	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		09/10/21 13:52	09/13/21 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/10/21 13:52	09/13/21 06:38	1
1,4-Difluorobenzene (Surr)	116		70 - 130	09/10/21 13:52	09/13/21 06:38	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		09/10/21 14:03	09/11/21 00:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 00:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 00:59	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	09/10/21 14:03	09/11/21 00:59	1
o-Terphenyl	122		70 - 130	09/10/21 14:03	09/11/21 00:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.4		4.95		mg/Kg			09/13/21 15:34	1

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-5958-26

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 06:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 06:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 06:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/10/21 13:52	09/13/21 06:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 06:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/10/21 13:52	09/13/21 06:59	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/10/21 13:52	09/13/21 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/10/21 13:52	09/13/21 06:59	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/10/21 13:52	09/13/21 06:59	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		09/10/21 14:03	09/11/21 01:20	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-5958-26

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 14:03	09/11/21 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 01:20	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/10/21 14:03	09/11/21 01:20	1
o-Terphenyl	109		70 - 130				09/10/21 14:03	09/11/21 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.4		4.98		mg/Kg			09/13/21 15:50	1

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-5958-27

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 07:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 07:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 07:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 07:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 07:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 07:19	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 07:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				09/10/21 13:52	09/13/21 07:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130				09/10/21 13:52	09/13/21 07:19	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		09/10/21 14:03	09/11/21 01:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 01:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 01:42	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/10/21 14:03	09/11/21 01:42	1
o-Terphenyl	109		70 - 130				09/10/21 14:03	09/11/21 01:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.1		4.99		mg/Kg			09/13/21 15:56	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-5958-28

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 07:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 07:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 07:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 07:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 07:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 07:40	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	09/10/21 13:52	09/13/21 07:40	1
1,4-Difluorobenzene (Surr)	110		70 - 130	09/10/21 13:52	09/13/21 07:40	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	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:03	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/10/21 14:03	09/11/21 02:03	1
o-Terphenyl	112		70 - 130	09/10/21 14:03	09/11/21 02:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		4.95		mg/Kg			09/13/21 16:01	1

Client Sample ID: S-8 (1-1.'5)

Lab Sample ID: 880-5958-29

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00316		0.00199		mg/Kg		09/10/21 13:52	09/13/21 08:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 08:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 08:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 08:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 08:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 08:00	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	09/10/21 13:52	09/13/21 08:00	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/10/21 13:52	09/13/21 08:00	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	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:25	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-8 (1-1.'5)

Lab Sample ID: 880-5958-29

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:25	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/10/21 14:03	09/11/21 02:25	1
o-Terphenyl	126		70 - 130				09/10/21 14:03	09/11/21 02:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		5.04		mg/Kg			09/13/21 16:07	1

Client Sample ID: S-8 (2-2.'5)

Lab Sample ID: 880-5958-30

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 08:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 08:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 08:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/10/21 13:52	09/13/21 08:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 08:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/10/21 13:52	09/13/21 08:20	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/10/21 13:52	09/13/21 08:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/10/21 13:52	09/13/21 08:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/10/21 13:52	09/13/21 08:20	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		09/10/21 14:03	09/11/21 02:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 02:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 02:46	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				09/10/21 14:03	09/11/21 02:46	1
o-Terphenyl	105		70 - 130				09/10/21 14:03	09/11/21 02:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.6		4.98		mg/Kg			09/13/21 16:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-8 (3-3.5')

Lab Sample ID: 880-5958-31

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 10:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/10/21 13:52	09/13/21 10:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/10/21 13:52	09/13/21 10:10	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/10/21 13:52	09/13/21 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/10/21 13:52	09/13/21 10:10	1
1,4-Difluorobenzene (Surr)	72		70 - 130	09/10/21 13:52	09/13/21 10:10	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		09/10/21 14:03	09/11/21 03:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 03:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 03:29	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:03	09/11/21 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	09/10/21 14:03	09/11/21 03:29	1
o-Terphenyl	104		70 - 130	09/10/21 14:03	09/11/21 03:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		4.95		mg/Kg			09/13/21 16:29	1

Client Sample ID: S-9 (0-0.1')

Lab Sample ID: 880-5958-32

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00788		0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:30	1
Ethylbenzene	0.0283		0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:30	1
m-Xylene & p-Xylene	0.123		0.00402		mg/Kg		09/10/21 13:52	09/13/21 10:30	1
o-Xylene	0.0662		0.00201		mg/Kg		09/10/21 13:52	09/13/21 10:30	1
Xylenes, Total	0.189		0.00402		mg/Kg		09/10/21 13:52	09/13/21 10:30	1
Total BTEX	0.225		0.00402		mg/Kg		09/10/21 13:52	09/13/21 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	09/10/21 13:52	09/13/21 10:30	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/10/21 13:52	09/13/21 10:30	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	109		49.9		mg/Kg		09/10/21 14:03	09/11/21 03:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-9 (0-0.1')

Lab Sample ID: 880-5958-32

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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)	3770		49.9		mg/Kg		09/10/21 14:03	09/11/21 03:51	1
Oil Range Organics (Over C28-C36)	459		49.9		mg/Kg		09/10/21 14:03	09/11/21 03:51	1
Total TPH	4340		49.9		mg/Kg		09/10/21 14:03	09/11/21 03:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	09/10/21 14:03	09/11/21 03:51	1
o-Terphenyl	65	S1-	70 - 130	09/10/21 14:03	09/11/21 03:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		49.9		mg/Kg			09/13/21 16:35	10

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-5958-33

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 10:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 10:51	1
Ethylbenzene	0.130		0.00202		mg/Kg		09/10/21 13:52	09/13/21 10:51	1
m-Xylene & p-Xylene	0.567		0.00404		mg/Kg		09/10/21 13:52	09/13/21 10:51	1
o-Xylene	0.321		0.00202		mg/Kg		09/10/21 13:52	09/13/21 10:51	1
Xylenes, Total	0.888		0.00404		mg/Kg		09/10/21 13:52	09/13/21 10:51	1
Total BTEX	1.02		0.00404		mg/Kg		09/10/21 13:52	09/13/21 10:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	09/10/21 13:52	09/13/21 10:51	1
1,4-Difluorobenzene (Surr)	70		70 - 130	09/10/21 13:52	09/13/21 10:51	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	306		49.7		mg/Kg		09/10/21 14:03	09/11/21 04:12	1
Diesel Range Organics (Over C10-C28)	4010		49.7		mg/Kg		09/10/21 14:03	09/11/21 04:12	1
Oil Range Organics (Over C28-C36)	448		49.7		mg/Kg		09/10/21 14:03	09/11/21 04:12	1
Total TPH	4760		49.7		mg/Kg		09/10/21 14:03	09/11/21 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	09/10/21 14:03	09/11/21 04:12	1
o-Terphenyl	85		70 - 130	09/10/21 14:03	09/11/21 04:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		50.5		mg/Kg			09/13/21 16:40	10

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-10 (0-01')

Lab Sample ID: 880-5958-34

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 11:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/10/21 13:52	09/13/21 11:11	1
Ethylbenzene	0.00272		0.00202		mg/Kg		09/10/21 13:52	09/13/21 11:11	1
m-Xylene & p-Xylene	0.0248		0.00403		mg/Kg		09/10/21 13:52	09/13/21 11:11	1
o-Xylene	0.0104		0.00202		mg/Kg		09/10/21 13:52	09/13/21 11:11	1
Xylenes, Total	0.0352		0.00403		mg/Kg		09/10/21 13:52	09/13/21 11:11	1
Total BTEX	0.0379		0.00403		mg/Kg		09/10/21 13:52	09/13/21 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	09/10/21 13:52	09/13/21 11:11	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/10/21 13:52	09/13/21 11:11	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		09/10/21 14:03	09/11/21 04:34	1
Diesel Range Organics (Over C10-C28)	198		49.8		mg/Kg		09/10/21 14:03	09/11/21 04:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 04:34	1
Total TPH	198		49.8		mg/Kg		09/10/21 14:03	09/11/21 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/10/21 14:03	09/11/21 04:34	1
o-Terphenyl	113		70 - 130	09/10/21 14:03	09/11/21 04:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11800		99.4		mg/Kg			09/13/21 16:46	20

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-5958-35

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 11:32	1
m-Xylene & p-Xylene	0.00461		0.00401		mg/Kg		09/10/21 13:52	09/13/21 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 11:32	1
Xylenes, Total	0.00461		0.00401		mg/Kg		09/10/21 13:52	09/13/21 11:32	1
Total BTEX	0.00461		0.00401		mg/Kg		09/10/21 13:52	09/13/21 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/10/21 13:52	09/13/21 11:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/10/21 13:52	09/13/21 11:32	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		09/10/21 14:03	09/11/21 04:55	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-5958-35

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 14:03	09/11/21 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 04:55	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/10/21 14:03	09/11/21 04:55	1
o-Terphenyl	130		70 - 130				09/10/21 14:03	09/11/21 04:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		99.0		mg/Kg			09/13/21 16:52	20

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-5958-36

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 11:52	1
m-Xylene & p-Xylene	0.00503		0.00399		mg/Kg		09/10/21 13:52	09/13/21 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 11:52	1
Xylenes, Total	0.00503		0.00399		mg/Kg		09/10/21 13:52	09/13/21 11:52	1
Total BTEX	0.00503		0.00399		mg/Kg		09/10/21 13:52	09/13/21 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				09/10/21 13:52	09/13/21 11:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130				09/10/21 13:52	09/13/21 11:52	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		09/10/21 14:03	09/11/21 05:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 05:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 05:16	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/10/21 14:03	09/11/21 05:16	1
o-Terphenyl	125		70 - 130				09/10/21 14:03	09/11/21 05:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14200		101		mg/Kg			09/13/21 17:08	20

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-5958-37

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 12:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 12:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 12:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 12:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 12:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 12:12	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/10/21 13:52	09/13/21 12:12	1
1,4-Difluorobenzene (Surr)	89		70 - 130	09/10/21 13:52	09/13/21 12:12	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		09/10/21 14:03	09/11/21 05:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 05:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 05:37	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	09/10/21 14:03	09/11/21 05:37	1
o-Terphenyl	131	S1+	70 - 130	09/10/21 14:03	09/11/21 05:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12200		99.4		mg/Kg			09/13/21 17:14	20

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-5958-38

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 12:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 12:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 12:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 12:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 12:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 12:33	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/10/21 13:52	09/13/21 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/10/21 13:52	09/13/21 12:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	09/10/21 13:52	09/13/21 12:33	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	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 05:58	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-5958-38

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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)	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 05:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 05:58	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:03	09/11/21 05:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/10/21 14:03	09/11/21 05:58	1
o-Terphenyl	124		70 - 130				09/10/21 14:03	09/11/21 05:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7420		49.9		mg/Kg			09/13/21 17:31	10

Client Sample ID: S-11 (1-1.5')

Lab Sample ID: 880-5958-39

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 12:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:52	09/13/21 12:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:52	09/13/21 12:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/10/21 13:52	09/13/21 12:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/10/21 13:52	09/13/21 12:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/10/21 13:52	09/13/21 12:53	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		09/10/21 13:52	09/13/21 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				09/10/21 13:52	09/13/21 12:53	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/10/21 13:52	09/13/21 12:53	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		09/10/21 14:03	09/11/21 06:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 06:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 06:18	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:03	09/11/21 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				09/10/21 14:03	09/11/21 06:18	1
o-Terphenyl	137	S1+	70 - 130				09/10/21 14:03	09/11/21 06:18	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			09/13/21 17:36	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-5958-40

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 13:52	09/13/21 13:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 13:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 13:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 13:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/10/21 13:52	09/13/21 13:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 13:14	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/10/21 13:52	09/13/21 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	09/10/21 13:52	09/13/21 13:14	1
1,4-Difluorobenzene (Surr)	112		70 - 130	09/10/21 13:52	09/13/21 13:14	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		09/10/21 14:03	09/11/21 06:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 06:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 06:39	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/11/21 06:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	09/10/21 14:03	09/11/21 06:39	1
o-Terphenyl	143	S1+	70 - 130	09/10/21 14:03	09/11/21 06:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15200		99.6		mg/Kg			09/13/21 17:42	20

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-5958-41

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 12:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:42	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:42	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		09/14/21 09:00	09/14/21 12:42	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:42	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		09/14/21 09:00	09/14/21 12:42	1
Total BTEX	<0.00398	U F1	0.00398		mg/Kg		09/14/21 09:00	09/14/21 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/14/21 09:00	09/14/21 12:42	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/14/21 09:00	09/14/21 12:42	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		09/10/21 14:00	09/10/21 17:09	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-5958-41

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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)	103		50.0		mg/Kg		09/10/21 14:00	09/10/21 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 17:09	1
Total TPH	103		50.0		mg/Kg		09/10/21 14:00	09/10/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				09/10/21 14:00	09/10/21 17:09	1
o-Terphenyl	121		70 - 130				09/10/21 14:00	09/10/21 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		99.8		mg/Kg			09/13/21 17:47	20

Client Sample ID: S-11 (4-4.5')

Lab Sample ID: 880-5958-42

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 13:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 13:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 13:02	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/14/21 09:00	09/14/21 13:02	1
1,4-Difluorobenzene (Surr)	86		70 - 130				09/14/21 09:00	09/14/21 13:02	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		09/10/21 14:00	09/10/21 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:00	09/10/21 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:00	09/10/21 17:51	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:00	09/10/21 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				09/10/21 14:00	09/10/21 17:51	1
o-Terphenyl	117		70 - 130				09/10/21 14:00	09/10/21 17:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14100		100		mg/Kg			09/13/21 17:53	20

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-12(0-1')

Lab Sample ID: 880-5958-43

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 13:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/21 09:00	09/14/21 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 13:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/21 09:00	09/14/21 13:23	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/14/21 09:00	09/14/21 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/14/21 09:00	09/14/21 13:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/14/21 09:00	09/14/21 13:23	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		09/10/21 14:00	09/10/21 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:00	09/10/21 18:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:00	09/10/21 18:12	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:00	09/10/21 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/10/21 14:00	09/10/21 18:12	1
o-Terphenyl	113		70 - 130	09/10/21 14:00	09/10/21 18:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.8		4.98		mg/Kg			09/13/21 17:58	1

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-5958-44

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 13:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 13:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 13:43	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/14/21 09:00	09/14/21 13:43	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/14/21 09:00	09/14/21 13:43	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	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 18:34	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-5958-44

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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)	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 18:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 18:34	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/10/21 14:00	09/10/21 18:34	1
o-Terphenyl	114		70 - 130				09/10/21 14:00	09/10/21 18:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3650		24.8		mg/Kg			09/13/21 18:04	5

Client Sample ID: S-12 (2-2.'5)

Lab Sample ID: 880-5958-45

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 14:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 14:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 14:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 14:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 14:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 14:03	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/14/21 09:00	09/14/21 14:03	1
1,4-Difluorobenzene (Surr)	77		70 - 130				09/14/21 09:00	09/14/21 14:03	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		09/10/21 14:00	09/10/21 18:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 18:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 18:55	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/10/21 14:00	09/10/21 18:55	1
o-Terphenyl	115		70 - 130				09/10/21 14:00	09/10/21 18:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9470	F1	100		mg/Kg			09/13/21 21:20	20

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-5958-46

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 14:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 14:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 14:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 14:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 14:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 14:24	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/14/21 09:00	09/14/21 14:24	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/14/21 09:00	09/14/21 14:24	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		09/10/21 14:00	09/10/21 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 19:17	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	09/10/21 14:00	09/10/21 19:17	1
o-Terphenyl	110		70 - 130	09/10/21 14:00	09/10/21 19:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7050		49.8		mg/Kg			09/13/21 21:37	10

Client Sample ID: S-12 (4-4.5')

Lab Sample ID: 880-5958-47

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 14:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 14:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 14:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 14:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 14:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 14:44	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/14/21 09:00	09/14/21 14:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130	09/14/21 09:00	09/14/21 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 19:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-12 (4-4.5')

Lab Sample ID: 880-5958-47

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/10/21 14:00	09/10/21 19:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 19:38	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/10/21 14:00	09/10/21 19:38	1
o-Terphenyl	116		70 - 130				09/10/21 14:00	09/10/21 19:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	835		4.95		mg/Kg			09/13/21 21:42	1

Client Sample ID: S-13(0-1')

Lab Sample ID: 880-5958-48

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 15:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 15:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 15:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 15:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 15:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 15:05	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				09/14/21 09:00	09/14/21 15:05	1
1,4-Difluorobenzene (Surr)	78		70 - 130				09/14/21 09:00	09/14/21 15:05	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		09/10/21 14:00	09/10/21 19:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 19:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 19:59	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				09/10/21 14:00	09/10/21 19:59	1
o-Terphenyl	118		70 - 130				09/10/21 14:00	09/10/21 19:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12900		99.0		mg/Kg			09/13/21 21:48	20

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-13 (1-1.5')

Lab Sample ID: 880-5958-49

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 15:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 15:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 15:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 15:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 15:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 15:25	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/14/21 09:00	09/14/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	09/14/21 09:00	09/14/21 15:25	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/14/21 09:00	09/14/21 15:25	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	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 20:21	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 20:21	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 20:21	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:00	09/10/21 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/10/21 14:00	09/10/21 20:21	1
o-Terphenyl	118		70 - 130	09/10/21 14:00	09/10/21 20:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800		101		mg/Kg			09/13/21 21:53	20

Client Sample ID: S-13 (2-2.'5)

Lab Sample ID: 880-5958-50

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 15:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 15:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 15:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 15:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 15:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 15:46	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/14/21 09:00	09/14/21 15:46	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/14/21 09:00	09/14/21 15:46	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		09/10/21 14:00	09/10/21 20:42	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-13 (2-2.'5)

Lab Sample ID: 880-5958-50

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	49.8		mg/Kg		09/10/21 14:00	09/10/21 20:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 20:42	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:00	09/10/21 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/10/21 14:00	09/10/21 20:42	1
o-Terphenyl	115		70 - 130				09/10/21 14:00	09/10/21 20:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2910		24.9		mg/Kg			09/13/21 22:10	5

Client Sample ID: S-13 (3-3.5')

Lab Sample ID: 880-5958-51

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 17:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 17:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 17:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 17:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 17:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 17:08	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				09/14/21 09:00	09/14/21 17:08	1
1,4-Difluorobenzene (Surr)	75		70 - 130				09/14/21 09:00	09/14/21 17:08	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		09/10/21 14:00	09/10/21 21:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 21:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 21:03	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:00	09/10/21 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/10/21 14:00	09/10/21 21:03	1
o-Terphenyl	118		70 - 130				09/10/21 14:00	09/10/21 21:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		24.8		mg/Kg			09/13/21 22:16	5

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-13 (4-4.'5)

Lab Sample ID: 880-5958-52

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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		09/14/21 09:00	09/14/21 17:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 17:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 17:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/21 09:00	09/14/21 17:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 17:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/21 09:00	09/14/21 17:28	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/14/21 09:00	09/14/21 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	09/14/21 09:00	09/14/21 17:28	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	09/14/21 09:00	09/14/21 17:28	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	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 21:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 21:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 21:44	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	09/10/21 14:25	09/13/21 21:44	1
o-Terphenyl	120		70 - 130	09/10/21 14:25	09/13/21 21:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	375		4.98		mg/Kg			09/13/21 22:21	1

Surrogate Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-5958-1	S-1 (0-1')	101	84
880-5958-1 MS	S-1 (0-1')	113	104
880-5958-1 MSD	S-1 (0-1')	127	115
880-5958-2	S-1 (1-1.5')	117	99
880-5958-3	S-1 (2-2.5')	108	93
880-5958-4	S-1 (3-3.5')	112	97
880-5958-5	S-1 (4-4.5')	115	96
880-5958-6	S-2 (0-1')	96	90
880-5958-7	S-2 (1-1.5')	113	100
880-5958-8	S-2 (2-2.5')	119	95
880-5958-9	S-2 (3-3.5')	106	94
880-5958-10	S-3 (0-1')	118	83
880-5958-11	S-3 (1-1.5')	115	83
880-5958-12	S-3 (2-2.5')	75	89
880-5958-13	S-3 (3-3.5')	87	85
880-5958-14	S-4 (0-1')	118	94
880-5958-15	S-4 (1-1.5')	126	58 S1-
880-5958-16	S-4 (2-2.5')	110	97
880-5958-17	S-5 (0-1')	130	91
880-5958-18	S-5 (1-1.5')	125	102
880-5958-19	S-5 (2-2.5')	132 S1+	95
880-5958-20	S-5 (3-3.5')	127	92
880-5958-21	S-6 (0-1')	114	98
880-5958-21 MS	S-6 (0-1')	106	88
880-5958-21 MSD	S-6 (0-1')	104	88
880-5958-22	S-6 (1-1.5')	115	108
880-5958-23	S-6 (2-2.5')	111	97
880-5958-24	S-6 (3-3.5')	125	93
880-5958-25	S-7 (0-1')	102	116
880-5958-26	S-7 (1-1.5')	119	98
880-5958-27	S-7 (2-2.5')	92	97
880-5958-28	S-8 (0-1')	113	110
880-5958-29	S-8 (1-1.5')	131 S1+	106
880-5958-30	S-8 (2-2.5')	126	101
880-5958-31	S-8 (3-3.5')	128	72
880-5958-32	S-9 (0-0.1')	139 S1+	79
880-5958-33	S-9 (1-1.5')	111	70
880-5958-34	S-10 (0-01')	89	92
880-5958-35	S-10 (1-1.5')	104	99
880-5958-36	S-10 (2-2.5')	116	97
880-5958-37	S-10 (3-3.5')	107	89
880-5958-38	S-11 (0-1')	109	107
880-5958-39	S-11 (1-1.5')	145 S1+	84
880-5958-40	S-11 (2-2.5')	111	112
880-5958-41	S-11 (3-3.5')	106	84
880-5958-41 MS	S-11 (3-3.5')	116	83
880-5958-41 MSD	S-11 (3-3.5')	116	85
880-5958-42	S-11 (4-4.5')	112	86
880-5958-43	S-12(0-1')	108	80

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Surrogate Summary

Client: NT Global

Job ID: 880-5958-1

Project/Site: Diamondback 22 State 2H (8.30.21)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-5958-44	S-12 (1-1.5')	107	84
880-5958-45	S-12 (2-2.5')	106	77
880-5958-46	S-12 (3-3.5')	101	82
880-5958-47	S-12 (4-4.5')	106	83
880-5958-48	S-13(0-1')	103	78
880-5958-49	S-13 (1-1.5')	118	77
880-5958-50	S-13 (2-2.5')	106	82
880-5958-51	S-13 (3-3.5')	122	75
880-5958-52	S-13 (4-4.5')	111	68 S1-
LCS 880-7755/1-A	Lab Control Sample	111	106
LCS 880-7757/1-A	Lab Control Sample	95	101
LCS 880-7758/1-A	Lab Control Sample	113	73
LCSD 880-7755/2-A	Lab Control Sample Dup	106	106
LCSD 880-7757/2-A	Lab Control Sample Dup	104	100
LCSD 880-7758/2-A	Lab Control Sample Dup	110	84
MB 880-7699/5-A	Method Blank	131 S1+	104
MB 880-7754/5-A	Method Blank	93	92
MB 880-7755/5-A	Method Blank	104	95
MB 880-7757/5-A	Method Blank	133 S1+	98
MB 880-7758/5-A	Method Blank	113	77

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)
880-5958-1	S-1 (0-1')	106	117
880-5958-1 MS	S-1 (0-1')	107	108
880-5958-1 MSD	S-1 (0-1')	108	108
880-5958-2	S-1 (1-1.5')	103	115
880-5958-3	S-1 (2-2.5')	104	114
880-5958-4	S-1 (3-3.5')	103	113
880-5958-5	S-1 (4-4.5')	101	111
880-5958-6	S-2 (0-1')	102	113
880-5958-7	S-2 (1-1.5')	101	113
880-5958-8	S-2 (2-2.5')	102	113
880-5958-9	S-2 (3-3.5')	101	112
880-5958-10	S-3 (0-1')	100	111
880-5958-11	S-3 (1-1.5')	101	115
880-5958-12	S-3 (2-2.5')	103	116
880-5958-13	S-3 (3-3.5')	101	111
880-5958-14	S-4 (0-1')	102	113
880-5958-15	S-4 (1-1.5')	100	111
880-5958-16	S-4 (2-2.5')	106	117
880-5958-17	S-5 (0-1')	106	117
880-5958-18	S-5 (1-1.5')	102	113

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Surrogate Summary

Client: NT Global

Job ID: 880-5958-1

Project/Site: Diamondback 22 State 2H (8.30.21)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-5958-19	S-5 (2-2.5')	104	116
880-5958-20	S-5 (3-3.5')	108	124
880-5958-21	S-6 (0-1')	123	130
880-5958-21 MS	S-6 (0-1')	102	98
880-5958-21 MSD	S-6 (0-1')	104	101
880-5958-22	S-6 (1-1.5')	114	125
880-5958-23	S-6 (2-2.5')	112	119
880-5958-24	S-6 (3-3.5')	121	131 S1+
880-5958-25	S-7 (0-1')	112	122
880-5958-26	S-7 (1-1.5')	101	109
880-5958-27	S-7 (2-2.5')	102	109
880-5958-28	S-8 (0-1')	105	112
880-5958-29	S-8 (1-1.5')	119	126
880-5958-30	S-8 (2-2.5')	98	105
880-5958-31	S-8 (3-3.5')	98	104
880-5958-32	S-9 (0-0.1')	74	65 S1-
880-5958-33	S-9 (1-1.5')	106	85
880-5958-34	S-10 (0-0.1')	105	113
880-5958-35	S-10 (1-1.5')	119	130
880-5958-36	S-10 (2-2.5')	117	125
880-5958-37	S-10 (3-3.5')	122	131 S1+
880-5958-38	S-11 (0-1')	112	124
880-5958-39	S-11 (1-1.5')	126	137 S1+
880-5958-40	S-11 (2-2.5')	132 S1+	143 S1+
880-5958-41	S-11 (3-3.5')	109	121
880-5958-42	S-11 (4-4.5')	109	117
880-5958-43	S-12(0-1')	105	113
880-5958-44	S-12 (1-1.5')	104	114
880-5958-45	S-12 (2-2.5')	103	115
880-5958-46	S-12 (3-3.5')	98	110
880-5958-47	S-12 (4-4.5')	101	116
880-5958-48	S-13(0-1')	106	118
880-5958-49	S-13 (1-1.5')	104	118
880-5958-50	S-13 (2-2.5')	102	115
880-5958-51	S-13 (3-3.5')	104	118
880-5958-52	S-13 (4-4.5')	109	120
880-5964-A-1-D MS	Matrix Spike	101	109
880-5964-A-1-E MSD	Matrix Spike Duplicate	98	103
890-1237-A-1-D MS	Matrix Spike	101	100
890-1237-A-1-E MSD	Matrix Spike Duplicate	101	102
LCS 880-7730/2-A	Lab Control Sample	106	108
LCS 880-7756/2-A	Lab Control Sample	101	103
LCS 880-7759/2-A	Lab Control Sample	103	101
LCS 880-7768/2-A	Lab Control Sample	110	120
LCSD 880-7730/3-A	Lab Control Sample Dup	108	110
LCSD 880-7756/3-A	Lab Control Sample Dup	101	102
LCSD 880-7759/3-A	Lab Control Sample Dup	108	106
LCSD 880-7768/3-A	Lab Control Sample Dup	109	117
MB 880-7730/1-A	Method Blank	101	114
MB 880-7756/1-A	Method Blank	105	120

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Surrogate Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
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)
MB 880-7759/1-A	Method Blank	125	137 S1+
MB 880-7768/1-A	Method Blank	102	116

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7699/5-A

Matrix: Solid

Analysis Batch: 7783

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7699

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/09/21 12:07	09/12/21 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				09/09/21 12:07	09/12/21 17:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130				09/09/21 12:07	09/12/21 17:14	1

Lab Sample ID: MB 880-7754/5-A

Matrix: Solid

Analysis Batch: 7782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7754

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/10/21 13:40	09/12/21 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/10/21 13:40	09/12/21 05:37	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/10/21 13:40	09/12/21 05:37	1

Lab Sample ID: MB 880-7755/5-A

Matrix: Solid

Analysis Batch: 7782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7755

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/10/21 13:46	09/12/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/10/21 13:46	09/12/21 20:17	1
1,4-Difluorobenzene (Surr)	95		70 - 130				09/10/21 13:46	09/12/21 20:17	1

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-7755/1-A
 Matrix: Solid
 Analysis Batch: 7782

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 7755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09938		mg/Kg		99	70 - 130
Toluene	0.100	0.09204		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09047		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1913		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09623		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-7755/2-A
 Matrix: Solid
 Analysis Batch: 7782

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7755

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.09353		mg/Kg		94	70 - 130	6	35
Toluene	0.100	0.08699		mg/Kg		87	70 - 130	6	35
Ethylbenzene	0.100	0.08384		mg/Kg		84	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1756		mg/Kg		88	70 - 130	9	35
o-Xylene	0.100	0.08802		mg/Kg		88	70 - 130	9	35

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

Lab Sample ID: 880-5958-1 MS
 Matrix: Solid
 Analysis Batch: 7782

Client Sample ID: S-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 7755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0998	0.04814	F1	mg/Kg		47	70 - 130
Toluene	<0.00200	U F1 F2	0.0998	0.04723	F1	mg/Kg		47	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.03952	F1	mg/Kg		40	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.1052	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0998	0.05524	F1	mg/Kg		54	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-5958-1 MSD
 Matrix: Solid
 Analysis Batch: 7782

Client Sample ID: S-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 7755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Benzene	<0.00200	U F1 F2	0.0994	0.008348	F1 F2	mg/Kg		8	70 - 130	141	35
Toluene	<0.00200	U F1 F2	0.0994	0.007492	F1 F2	mg/Kg		7	70 - 130	145	35
Ethylbenzene	<0.00200	U F1 F2	0.0994	0.007113	F1 F2	mg/Kg		7	70 - 130	139	35

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-5958-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 7782

Prep Batch: 7755

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.199	0.02192	F1 F2	mg/Kg		10	70 - 130	131	35
o-Xylene	<0.00200	U F1 F2	0.0994	0.01313	F1 F2	mg/Kg		12	70 - 130	123	35
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	127		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								

Lab Sample ID: MB 880-7757/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 7783

Prep Batch: 7757

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Benzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
Toluene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/10/21 13:52	09/13/21 04:48	1	
Surrogate		MB	MB							
	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	09/10/21 13:52	09/13/21 04:48	1				
1,4-Difluorobenzene (Surr)	98		70 - 130	09/10/21 13:52	09/13/21 04:48	1				

Lab Sample ID: LCS 880-7757/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 7783

Prep Batch: 7757

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	
Toluene	0.100	0.09787		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.09541		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	0.200	0.1779		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.09091		mg/Kg		91	70 - 130	
Surrogate		LCS	LCS					
	%Recovery	Qualifier	Limits					
4-Bromofluorobenzene (Surr)	95		70 - 130					
1,4-Difluorobenzene (Surr)	101		70 - 130					

Lab Sample ID: LCSD 880-7757/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 7783

Prep Batch: 7757

Analyte	Spike	LCSD		Unit	D	%Rec	%Rec.		RPD
		Result	Qualifier				Limits	RPD	
Benzene	0.100	0.1075		mg/Kg		108	70 - 130	2	35
Toluene	0.100	0.1057		mg/Kg		106	70 - 130	8	35
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1960		mg/Kg		98	70 - 130	10	35

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-7757/2-A
 Matrix: Solid
 Analysis Batch: 7783

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7757

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	0.100	0.09772		mg/Kg		98	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-5958-21 MS
 Matrix: Solid
 Analysis Batch: 7783

Client Sample ID: S-6 (0-1')
 Prep Type: Total/NA
 Prep Batch: 7757

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.100	0.07437		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1 F2	0.100	0.08666		mg/Kg		86	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.08190		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.201	0.1547		mg/Kg		77	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.07694		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-5958-21 MSD
 Matrix: Solid
 Analysis Batch: 7783

Client Sample ID: S-6 (0-1')
 Prep Type: Total/NA
 Prep Batch: 7757

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0992	0.04901	F1 F2	mg/Kg		49	70 - 130	41	35
Toluene	<0.00200	U F1 F2	0.0992	0.05665	F1 F2	mg/Kg		57	70 - 130	42	35
Ethylbenzene	<0.00200	U F1 F2	0.0992	0.05654	F1 F2	mg/Kg		57	70 - 130	37	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1092	F1	mg/Kg		55	70 - 130	34	35
o-Xylene	<0.00200	U F1	0.0992	0.05635	F1	mg/Kg		56	70 - 130	31	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-7758/5-A
 Matrix: Solid
 Analysis Batch: 7857

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 7758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/21 09:00	09/14/21 12:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/21 09:00	09/14/21 12:20	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/14/21 09:00	09/14/21 12:20	1

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	113		70 - 130	09/14/21 09:00	09/14/21 12:20	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/14/21 09:00	09/14/21 12:20	1

Lab Sample ID: LCS 880-7758/1-A
 Matrix: Solid
 Analysis Batch: 7857

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 7758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09272		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09436		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09544		mg/Kg		95	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: LCSD 880-7758/2-A
 Matrix: Solid
 Analysis Batch: 7857

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1030		mg/Kg		103	70 - 130	8	35
Toluene	0.100	0.09796		mg/Kg		98	70 - 130	6	35
Ethylbenzene	0.100	0.09754		mg/Kg		98	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	8	35
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	8	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-5958-41 MS
 Matrix: Solid
 Analysis Batch: 7857

Client Sample ID: S-11 (3-3.5')
 Prep Type: Total/NA
 Prep Batch: 7758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U	0.0998	0.08007		mg/Kg		80	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.07502		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1559		mg/Kg		78	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.08068		mg/Kg		81	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-5958-41 MSD
 Matrix: Solid
 Analysis Batch: 7857

Client Sample ID: S-11 (3-3.5')
 Prep Type: Total/NA
 Prep Batch: 7758

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.07857		mg/Kg		78	70 - 130	11	35
Toluene	<0.00199	U	0.100	0.07046		mg/Kg		70	70 - 130	13	35
Ethylbenzene	<0.00199	U F1	0.100	0.06374	F1	mg/Kg		64	70 - 130	16	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1306	F1	mg/Kg		65	70 - 130	18	35
o-Xylene	<0.00199	U F1	0.100	0.06920	F1	mg/Kg		69	70 - 130	15	35
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	116		70 - 130								
1,4-Difluorobenzene (Surr)	85		70 - 130								

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

Lab Sample ID: MB 880-7730/1-A
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 7730

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		09/10/21 09:12	09/10/21 11:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 09:12	09/10/21 11:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 09:12	09/10/21 11:30	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 09:12	09/10/21 11:30	1
Surrogate		MB	MB						
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			09/10/21 09:12	09/10/21 11:30	1	
o-Terphenyl	114		70 - 130			09/10/21 09:12	09/10/21 11:30	1	

Lab Sample ID: LCS 880-7730/2-A
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 7730

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
							Result
Gasoline Range Organics (GRO)-C6-C10	1000	978.4		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1065		mg/Kg		107	70 - 130
Surrogate		LCS	LCS				
	%Recovery	Qualifier	Limits				
1-Chlorooctane	106		70 - 130				
o-Terphenyl	108		70 - 130				

Lab Sample ID: LCSD 880-7730/3-A
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7730

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	
							Result	Qualifier	Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.2		mg/Kg		98	70 - 130	0	20

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-7730/3-A
Matrix: Solid
Analysis Batch: 7723

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7730

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Diesel Range Organics (Over C10-C28)	1000	1083		mg/Kg		108	70 - 130	2	20	
Surrogate	%Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	108		70 - 130							
o-Terphenyl	110		70 - 130							

Lab Sample ID: 890-1237-A-1-D MS
Matrix: Solid
Analysis Batch: 7723

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7730

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	837.4		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	835.4		mg/Kg		84	70 - 130		
Surrogate	%Recovery	MS Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: 890-1237-A-1-E MSD
Matrix: Solid
Analysis Batch: 7723

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7730

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	787.6		mg/Kg		79	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	848.2		mg/Kg		85	70 - 130	2	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: MB 880-7756/1-A
Matrix: Solid
Analysis Batch: 7723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7756

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		09/10/21 13:49	09/10/21 21:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/10/21 21:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/10/21 21:46	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 13:49	09/10/21 21:46	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/10/21 13:49	09/10/21 21:46	1

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-7756/1-A
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 7756

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl	120		70 - 130	09/10/21 13:49	09/10/21 21:46	1

Lab Sample ID: LCS 880-7756/2-A
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 7756

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	897.9		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.3		mg/Kg		100	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	101		70 - 130
<i>o</i> -Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-7756/3-A
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7756

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	959.9		mg/Kg		96	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	981.0		mg/Kg		98	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	101		70 - 130
<i>o</i> -Terphenyl	102		70 - 130

Lab Sample ID: 880-5958-1 MS
 Matrix: Solid
 Analysis Batch: 7723

Client Sample ID: S-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 7756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	753.6		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	820.9		mg/Kg		82	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
<i>o</i> -Terphenyl	108		70 - 130

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-5958-1 MSD
Matrix: Solid
Analysis Batch: 7723

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 7756

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	741.6		mg/Kg		74	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	828.6		mg/Kg		83	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	108		70 - 130								

Lab Sample ID: MB 880-7759/1-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7759

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		09/10/21 14:03	09/10/21 21:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/10/21 21:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/10/21 21:46	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:03	09/10/21 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				09/10/21 14:03	09/10/21 21:46	1
o-Terphenyl	137	S1+	70 - 130				09/10/21 14:03	09/10/21 21:46	1

Lab Sample ID: LCS 880-7759/2-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	899.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	103		70 - 130				
o-Terphenyl	101		70 - 130				

Lab Sample ID: LCSD 880-7759/3-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	922.4		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1056		mg/Kg		106	70 - 130	2	20

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-7759/3-A
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7759

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	108		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-5958-21 MS
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: S-6 (0-1')
Prep Type: Total/NA
Prep Batch: 7759

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	855.3		mg/Kg		86		70 - 130
Diesel Range Organics (Over C10-C28)	84.5		997	929.1		mg/Kg		85		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-5958-21 MSD
Matrix: Solid
Analysis Batch: 7725

Client Sample ID: S-6 (0-1')
Prep Type: Total/NA
Prep Batch: 7759

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	837.0		mg/Kg		84		70 - 130	2	20
Diesel Range Organics (Over C10-C28)	84.5		999	959.2		mg/Kg		88		70 - 130	3	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: MB 880-7768/1-A
Matrix: Solid
Analysis Batch: 7792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7768

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	102		70 - 130	09/10/21 14:25	09/13/21 12:28	1
o-Terphenyl	116		70 - 130	09/10/21 14:25	09/13/21 12:28	1

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QC Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-7768/2-A

Matrix: Solid

Analysis Batch: 7792

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	784.1		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	820.7		mg/Kg		82	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	110		70 - 130				
o-Terphenyl	120		70 - 130				

Lab Sample ID: LCSD 880-7768/3-A

Matrix: Solid

Analysis Batch: 7792

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	745.4		mg/Kg		75	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	809.0		mg/Kg		81	70 - 130	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	117		70 - 130						

Lab Sample ID: 880-5964-A-1-D MS

Matrix: Solid

Analysis Batch: 7792

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7768

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	828.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	833.3		mg/Kg		84	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-5964-A-1-E MSD

Matrix: Solid

Analysis Batch: 7792

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 7768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	779.4		mg/Kg		78	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	798.9		mg/Kg		80	70 - 130	4	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-5964-A-1-E MSD
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 7768

Surrogate	%Recovery	MSD MSD Qualifier	Limits
<i>o</i> -Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7745/1-A
 Matrix: Solid
 Analysis Batch: 7772

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			09/11/21 17:39	1

Lab Sample ID: LCS 880-7745/2-A
 Matrix: Solid
 Analysis Batch: 7772

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	267.9		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-7745/3-A
 Matrix: Solid
 Analysis Batch: 7772

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	250	268.2		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-5957-A-1-B MS
 Matrix: Solid
 Analysis Batch: 7772

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	14.0		249	266.7		mg/Kg		101	90 - 110

Lab Sample ID: 880-5957-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 7772

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	14.0		249	266.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-7760/1-A
 Matrix: Solid
 Analysis Batch: 7817

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			09/13/21 13:13	1

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-7760/2-A
 Matrix: Solid
 Analysis Batch: 7817

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-7760/3-A
 Matrix: Solid
 Analysis Batch: 7817

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	253.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-5958-5 MS
 Matrix: Solid
 Analysis Batch: 7817

Client Sample ID: S-1 (4-4.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	114		250	367.3		mg/Kg		102	90 - 110

Lab Sample ID: 880-5958-5 MSD
 Matrix: Solid
 Analysis Batch: 7817

Client Sample ID: S-1 (4-4.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	114		250	367.5		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-5958-15 MS
 Matrix: Solid
 Analysis Batch: 7817

Client Sample ID: S-4 (1-1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1150		250	1375	4	mg/Kg		88	90 - 110

Lab Sample ID: 880-5958-15 MSD
 Matrix: Solid
 Analysis Batch: 7817

Client Sample ID: S-4 (1-1.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1150		250	1379	4	mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-7761/1-A
 Matrix: Solid
 Analysis Batch: 7818

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			09/13/21 15:17	1

Lab Sample ID: LCS 880-7761/2-A
 Matrix: Solid
 Analysis Batch: 7818

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.4		mg/Kg		99	90 - 110

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-7761/3-A
Matrix: Solid
Analysis Batch: 7818

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	248.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-5958-25 MS
Matrix: Solid
Analysis Batch: 7818

Client Sample ID: S-7 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	48.4		248	320.0		mg/Kg		110	90 - 110

Lab Sample ID: 880-5958-25 MSD
Matrix: Solid
Analysis Batch: 7818

Client Sample ID: S-7 (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	48.4		248	310.7		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 880-5958-35 MS
Matrix: Solid
Analysis Batch: 7818

Client Sample ID: S-10 (1-1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	15000		4950	19670		mg/Kg		94	90 - 110

Lab Sample ID: 880-5958-35 MSD
Matrix: Solid
Analysis Batch: 7818

Client Sample ID: S-10 (1-1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	15000		4950	19570		mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-7762/1-A
Matrix: Solid
Analysis Batch: 7826

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			09/13/21 21:03	1

Lab Sample ID: LCS 880-7762/2-A
Matrix: Solid
Analysis Batch: 7826

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-7762/3-A
Matrix: Solid
Analysis Batch: 7826

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	255.2		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-5958-45 MS
Matrix: Solid
Analysis Batch: 7826

Client Sample ID: S-12 (2-2.'5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9470	F1	5000	15730	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-5958-45 MSD
Matrix: Solid
Analysis Batch: 7826

Client Sample ID: S-12 (2-2.'5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9470	F1	5000	15790	F1	mg/Kg		126	90 - 110	0	20

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QC Association Summary

Client: NT Global

Job ID: 880-5958-1

Project/Site: Diamondback 22 State 2H (8.30.21)

SDG: Eddy Co, NM

GC VOA

Prep Batch: 7699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7699/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 7754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7754/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 7755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-1	S-1 (0-1')	Total/NA	Solid	5035	
880-5958-2	S-1 (1-1.5')	Total/NA	Solid	5035	
880-5958-3	S-1 (2-2.5')	Total/NA	Solid	5035	
880-5958-4	S-1 (3-3.5')	Total/NA	Solid	5035	
880-5958-5	S-1 (4-4.5')	Total/NA	Solid	5035	
880-5958-6	S-2 (0-1')	Total/NA	Solid	5035	
880-5958-7	S-2 (1-1.5')	Total/NA	Solid	5035	
880-5958-8	S-2 (2-2.5')	Total/NA	Solid	5035	
880-5958-9	S-2 (3-3.5')	Total/NA	Solid	5035	
880-5958-10	S-3 (0-1')	Total/NA	Solid	5035	
880-5958-11	S-3 (1-1.5')	Total/NA	Solid	5035	
880-5958-12	S-3 (2-2.5')	Total/NA	Solid	5035	
880-5958-13	S-3 (3-3.5')	Total/NA	Solid	5035	
880-5958-14	S-4 (0-1')	Total/NA	Solid	5035	
880-5958-15	S-4 (1-1.5')	Total/NA	Solid	5035	
880-5958-16	S-4 (2-2.5')	Total/NA	Solid	5035	
880-5958-17	S-5 (0-1')	Total/NA	Solid	5035	
880-5958-18	S-5 (1-1.5')	Total/NA	Solid	5035	
880-5958-19	S-5 (2-2.5')	Total/NA	Solid	5035	
880-5958-20	S-5 (3-3.5')	Total/NA	Solid	5035	
MB 880-7755/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7755/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7755/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5958-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-5958-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 7757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-21	S-6 (0-1')	Total/NA	Solid	5035	
880-5958-22	S-6 (1-1.5')	Total/NA	Solid	5035	
880-5958-23	S-6 (2-2.5')	Total/NA	Solid	5035	
880-5958-24	S-6 (3-3.5')	Total/NA	Solid	5035	
880-5958-25	S-7 (0-1')	Total/NA	Solid	5035	
880-5958-26	S-7 (1-1.5')	Total/NA	Solid	5035	
880-5958-27	S-7 (2-2.5')	Total/NA	Solid	5035	
880-5958-28	S-8 (0-1')	Total/NA	Solid	5035	
880-5958-29	S-8 (1-1.5')	Total/NA	Solid	5035	
880-5958-30	S-8 (2-2.5')	Total/NA	Solid	5035	
880-5958-31	S-8 (3-3.5')	Total/NA	Solid	5035	
880-5958-32	S-9 (0-0.1')	Total/NA	Solid	5035	
880-5958-33	S-9 (1-1.5')	Total/NA	Solid	5035	
880-5958-34	S-10 (0-01')	Total/NA	Solid	5035	
880-5958-35	S-10 (1-1.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 7757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-36	S-10 (2-2.5')	Total/NA	Solid	5035	
880-5958-37	S-10 (3-3.5')	Total/NA	Solid	5035	
880-5958-38	S-11 (0-1')	Total/NA	Solid	5035	
880-5958-39	S-11 (1-1.5')	Total/NA	Solid	5035	
880-5958-40	S-11 (2-2.5')	Total/NA	Solid	5035	
MB 880-7757/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7757/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7757/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5958-21 MS	S-6 (0-1')	Total/NA	Solid	5035	
880-5958-21 MSD	S-6 (0-1')	Total/NA	Solid	5035	

Prep Batch: 7758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-41	S-11 (3-3.5')	Total/NA	Solid	5035	
880-5958-42	S-11 (4-4.5')	Total/NA	Solid	5035	
880-5958-43	S-12(0-1')	Total/NA	Solid	5035	
880-5958-44	S-12 (1-1.5')	Total/NA	Solid	5035	
880-5958-45	S-12 (2-2.5')	Total/NA	Solid	5035	
880-5958-46	S-12 (3-3.5')	Total/NA	Solid	5035	
880-5958-47	S-12 (4-4.5')	Total/NA	Solid	5035	
880-5958-48	S-13(0-1')	Total/NA	Solid	5035	
880-5958-49	S-13 (1-1.5')	Total/NA	Solid	5035	
880-5958-50	S-13 (2-2.5')	Total/NA	Solid	5035	
880-5958-51	S-13 (3-3.5')	Total/NA	Solid	5035	
880-5958-52	S-13 (4-4.5')	Total/NA	Solid	5035	
MB 880-7758/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7758/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7758/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5958-41 MS	S-11 (3-3.5')	Total/NA	Solid	5035	
880-5958-41 MSD	S-11 (3-3.5')	Total/NA	Solid	5035	

Analysis Batch: 7782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-1	S-1 (0-1')	Total/NA	Solid	8021B	7755
880-5958-2	S-1 (1-1.5')	Total/NA	Solid	8021B	7755
880-5958-3	S-1 (2-2.5')	Total/NA	Solid	8021B	7755
880-5958-4	S-1 (3-3.5')	Total/NA	Solid	8021B	7755
880-5958-5	S-1 (4-4.5')	Total/NA	Solid	8021B	7755
880-5958-6	S-2 (0-1')	Total/NA	Solid	8021B	7755
880-5958-7	S-2 (1-1.5')	Total/NA	Solid	8021B	7755
880-5958-8	S-2 (2-2.5')	Total/NA	Solid	8021B	7755
880-5958-9	S-2 (3-3.5')	Total/NA	Solid	8021B	7755
880-5958-10	S-3 (0-1')	Total/NA	Solid	8021B	7755
880-5958-11	S-3 (1-1.5')	Total/NA	Solid	8021B	7755
880-5958-12	S-3 (2-2.5')	Total/NA	Solid	8021B	7755
880-5958-13	S-3 (3-3.5')	Total/NA	Solid	8021B	7755
880-5958-14	S-4 (0-1')	Total/NA	Solid	8021B	7755
880-5958-15	S-4 (1-1.5')	Total/NA	Solid	8021B	7755
880-5958-16	S-4 (2-2.5')	Total/NA	Solid	8021B	7755
880-5958-17	S-5 (0-1')	Total/NA	Solid	8021B	7755
880-5958-18	S-5 (1-1.5')	Total/NA	Solid	8021B	7755

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-5958-1

Project/Site: Diamondback 22 State 2H (8.30.21)

SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 7782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-19	S-5 (2-2.5')	Total/NA	Solid	8021B	7755
880-5958-20	S-5 (3-3.5')	Total/NA	Solid	8021B	7755
MB 880-7754/5-A	Method Blank	Total/NA	Solid	8021B	7754
MB 880-7755/5-A	Method Blank	Total/NA	Solid	8021B	7755
LCS 880-7755/1-A	Lab Control Sample	Total/NA	Solid	8021B	7755
LCSD 880-7755/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7755
880-5958-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	7755
880-5958-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	7755

Analysis Batch: 7783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-21	S-6 (0-1')	Total/NA	Solid	8021B	7757
880-5958-22	S-6 (1-1.5')	Total/NA	Solid	8021B	7757
880-5958-23	S-6 (2-2.5')	Total/NA	Solid	8021B	7757
880-5958-24	S-6 (3-3.5')	Total/NA	Solid	8021B	7757
880-5958-25	S-7 (0-1')	Total/NA	Solid	8021B	7757
880-5958-26	S-7 (1-1.5')	Total/NA	Solid	8021B	7757
880-5958-27	S-7 (2-2.5')	Total/NA	Solid	8021B	7757
880-5958-28	S-8 (0-1')	Total/NA	Solid	8021B	7757
880-5958-29	S-8 (1-1.5')	Total/NA	Solid	8021B	7757
880-5958-30	S-8 (2-2.5')	Total/NA	Solid	8021B	7757
880-5958-31	S-8 (3-3.5')	Total/NA	Solid	8021B	7757
880-5958-32	S-9 (0-0.1')	Total/NA	Solid	8021B	7757
880-5958-33	S-9 (1-1.5')	Total/NA	Solid	8021B	7757
880-5958-34	S-10 (0-0.1')	Total/NA	Solid	8021B	7757
880-5958-35	S-10 (1-1.5')	Total/NA	Solid	8021B	7757
880-5958-36	S-10 (2-2.5')	Total/NA	Solid	8021B	7757
880-5958-37	S-10 (3-3.5')	Total/NA	Solid	8021B	7757
880-5958-38	S-11 (0-1')	Total/NA	Solid	8021B	7757
880-5958-39	S-11 (1-1.5')	Total/NA	Solid	8021B	7757
880-5958-40	S-11 (2-2.5')	Total/NA	Solid	8021B	7757
MB 880-7699/5-A	Method Blank	Total/NA	Solid	8021B	7699
MB 880-7757/5-A	Method Blank	Total/NA	Solid	8021B	7757
LCS 880-7757/1-A	Lab Control Sample	Total/NA	Solid	8021B	7757
LCSD 880-7757/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7757
880-5958-21 MS	S-6 (0-1')	Total/NA	Solid	8021B	7757
880-5958-21 MSD	S-6 (0-1')	Total/NA	Solid	8021B	7757

Analysis Batch: 7857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-41	S-11 (3-3.5')	Total/NA	Solid	8021B	7758
880-5958-42	S-11 (4-4.5')	Total/NA	Solid	8021B	7758
880-5958-43	S-12(0-1')	Total/NA	Solid	8021B	7758
880-5958-44	S-12 (1-1.5')	Total/NA	Solid	8021B	7758
880-5958-45	S-12 (2-2.5')	Total/NA	Solid	8021B	7758
880-5958-46	S-12 (3-3.5')	Total/NA	Solid	8021B	7758
880-5958-47	S-12 (4-4.5')	Total/NA	Solid	8021B	7758
880-5958-48	S-13(0-1')	Total/NA	Solid	8021B	7758
880-5958-49	S-13 (1-1.5')	Total/NA	Solid	8021B	7758
880-5958-50	S-13 (2-2.5')	Total/NA	Solid	8021B	7758
880-5958-51	S-13 (3-3.5')	Total/NA	Solid	8021B	7758

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 7857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-52	S-13 (4-4.5')	Total/NA	Solid	8021B	7758
MB 880-7758/5-A	Method Blank	Total/NA	Solid	8021B	7758
LCS 880-7758/1-A	Lab Control Sample	Total/NA	Solid	8021B	7758
LCSD 880-7758/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7758
880-5958-41 MS	S-11 (3-3.5')	Total/NA	Solid	8021B	7758
880-5958-41 MSD	S-11 (3-3.5')	Total/NA	Solid	8021B	7758

GC Semi VOA

Analysis Batch: 7723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-1	S-1 (0-1')	Total/NA	Solid	8015B NM	7756
880-5958-2	S-1 (1-1.5')	Total/NA	Solid	8015B NM	7756
880-5958-3	S-1 (2-2.5')	Total/NA	Solid	8015B NM	7756
880-5958-4	S-1 (3-3.5')	Total/NA	Solid	8015B NM	7756
880-5958-5	S-1 (4-4.5')	Total/NA	Solid	8015B NM	7756
880-5958-6	S-2 (0-1')	Total/NA	Solid	8015B NM	7756
880-5958-7	S-2 (1-1.5')	Total/NA	Solid	8015B NM	7756
880-5958-8	S-2 (2-2.5')	Total/NA	Solid	8015B NM	7756
880-5958-9	S-2 (3-3.5')	Total/NA	Solid	8015B NM	7756
880-5958-10	S-3 (0-1')	Total/NA	Solid	8015B NM	7756
880-5958-11	S-3 (1-1.5')	Total/NA	Solid	8015B NM	7756
880-5958-12	S-3 (2-2.5')	Total/NA	Solid	8015B NM	7756
880-5958-13	S-3 (3-3.5')	Total/NA	Solid	8015B NM	7756
880-5958-14	S-4 (0-1')	Total/NA	Solid	8015B NM	7756
880-5958-15	S-4 (1-1.5')	Total/NA	Solid	8015B NM	7756
880-5958-16	S-4 (2-2.5')	Total/NA	Solid	8015B NM	7756
880-5958-17	S-5 (0-1')	Total/NA	Solid	8015B NM	7756
880-5958-18	S-5 (1-1.5')	Total/NA	Solid	8015B NM	7756
880-5958-19	S-5 (2-2.5')	Total/NA	Solid	8015B NM	7756
880-5958-20	S-5 (3-3.5')	Total/NA	Solid	8015B NM	7756
880-5958-41	S-11 (3-3.5')	Total/NA	Solid	8015B NM	7730
880-5958-42	S-11 (4-4.5')	Total/NA	Solid	8015B NM	7730
880-5958-43	S-12(0-1')	Total/NA	Solid	8015B NM	7730
880-5958-44	S-12 (1-1.5')	Total/NA	Solid	8015B NM	7730
880-5958-45	S-12 (2-2.5')	Total/NA	Solid	8015B NM	7730
880-5958-46	S-12 (3-3.5')	Total/NA	Solid	8015B NM	7730
880-5958-47	S-12 (4-4.5')	Total/NA	Solid	8015B NM	7730
880-5958-48	S-13(0-1')	Total/NA	Solid	8015B NM	7730
880-5958-49	S-13 (1-1.5')	Total/NA	Solid	8015B NM	7730
880-5958-50	S-13 (2-2.5')	Total/NA	Solid	8015B NM	7730
880-5958-51	S-13 (3-3.5')	Total/NA	Solid	8015B NM	7730
MB 880-7730/1-A	Method Blank	Total/NA	Solid	8015B NM	7730
MB 880-7756/1-A	Method Blank	Total/NA	Solid	8015B NM	7756
LCS 880-7730/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7730
LCS 880-7756/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7756
LCSD 880-7730/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7730
LCSD 880-7756/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7756
880-5958-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	7756
880-5958-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	7756
890-1237-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	7730

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 7723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1237-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7730

Analysis Batch: 7725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-21	S-6 (0-1')	Total/NA	Solid	8015B NM	7759
880-5958-22	S-6 (1-1.5')	Total/NA	Solid	8015B NM	7759
880-5958-23	S-6 (2-2.5')	Total/NA	Solid	8015B NM	7759
880-5958-24	S-6 (3-3.5')	Total/NA	Solid	8015B NM	7759
880-5958-25	S-7 (0-1')	Total/NA	Solid	8015B NM	7759
880-5958-26	S-7 (1-1.5')	Total/NA	Solid	8015B NM	7759
880-5958-27	S-7 (2-2.5')	Total/NA	Solid	8015B NM	7759
880-5958-28	S-8 (0-1')	Total/NA	Solid	8015B NM	7759
880-5958-29	S-8 (1-1.5')	Total/NA	Solid	8015B NM	7759
880-5958-30	S-8 (2-2.5')	Total/NA	Solid	8015B NM	7759
880-5958-31	S-8 (3-3.5')	Total/NA	Solid	8015B NM	7759
880-5958-32	S-9 (0-0.1')	Total/NA	Solid	8015B NM	7759
880-5958-33	S-9 (1-1.5')	Total/NA	Solid	8015B NM	7759
880-5958-34	S-10 (0-0.1')	Total/NA	Solid	8015B NM	7759
880-5958-35	S-10 (1-1.5')	Total/NA	Solid	8015B NM	7759
880-5958-36	S-10 (2-2.5')	Total/NA	Solid	8015B NM	7759
880-5958-37	S-10 (3-3.5')	Total/NA	Solid	8015B NM	7759
880-5958-38	S-11 (0-1')	Total/NA	Solid	8015B NM	7759
880-5958-39	S-11 (1-1.5')	Total/NA	Solid	8015B NM	7759
880-5958-40	S-11 (2-2.5')	Total/NA	Solid	8015B NM	7759
MB 880-7759/1-A	Method Blank	Total/NA	Solid	8015B NM	7759
LCS 880-7759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7759
LCSD 880-7759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7759
880-5958-21 MS	S-6 (0-1')	Total/NA	Solid	8015B NM	7759
880-5958-21 MSD	S-6 (0-1')	Total/NA	Solid	8015B NM	7759

Prep Batch: 7730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-41	S-11 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-42	S-11 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-5958-43	S-12(0-1')	Total/NA	Solid	8015NM Prep	
880-5958-44	S-12 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-45	S-12 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-46	S-12 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-47	S-12 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-5958-48	S-13(0-1')	Total/NA	Solid	8015NM Prep	
880-5958-49	S-13 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-50	S-13 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-51	S-13 (3-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-7730/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7730/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7730/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1237-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1237-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 7756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-2	S-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-3	S-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-4	S-1 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-5	S-1 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-5958-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-7	S-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-8	S-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-9	S-2 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-10	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-11	S-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-12	S-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-13	S-3 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-14	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-15	S-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-16	S-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-17	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-18	S-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-19	S-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-20	S-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-7756/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7756/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7756/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5958-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 7759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-21	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-22	S-6 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-23	S-6 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-24	S-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-25	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-26	S-7 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-27	S-7 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-28	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-29	S-8 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-30	S-8 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-31	S-8 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-32	S-9 (0-0.1')	Total/NA	Solid	8015NM Prep	
880-5958-33	S-9 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-34	S-10 (0-0.1')	Total/NA	Solid	8015NM Prep	
880-5958-35	S-10 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-36	S-10 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-5958-37	S-10 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-5958-38	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-39	S-11 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-5958-40	S-11 (2-2.5')	Total/NA	Solid	8015NM Prep	
MB 880-7759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 7759 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-21 MS	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-5958-21 MSD	S-6 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 7768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-52	S-13 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-7768/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7768/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7768/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5964-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5964-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 7792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-52	S-13 (4-4.5')	Total/NA	Solid	8015B NM	7768
MB 880-7768/1-A	Method Blank	Total/NA	Solid	8015B NM	7768
LCS 880-7768/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7768
LCSD 880-7768/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7768
880-5964-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	7768
880-5964-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7768

HPLC/IC

Leach Batch: 7745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-5958-2	S-1 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-3	S-1 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-4	S-1 (3-3.5')	Soluble	Solid	DI Leach	
MB 880-7745/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7745/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7745/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5957-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-5957-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 7760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-5	S-1 (4-4.5')	Soluble	Solid	DI Leach	
880-5958-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-5958-7	S-2 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-8	S-2 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-9	S-2 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-10	S-3 (0-1')	Soluble	Solid	DI Leach	
880-5958-11	S-3 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-12	S-3 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-13	S-3 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-14	S-4 (0-1')	Soluble	Solid	DI Leach	
880-5958-15	S-4 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-16	S-4 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-17	S-5 (0-1')	Soluble	Solid	DI Leach	
880-5958-18	S-5 (1-1.5')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 7760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-19	S-5 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-20	S-5 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-21	S-6 (0-1')	Soluble	Solid	DI Leach	
880-5958-22	S-6 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-23	S-6 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-24	S-6 (3-3.5')	Soluble	Solid	DI Leach	
MB 880-7760/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7760/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7760/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5958-5 MS	S-1 (4-4.5')	Soluble	Solid	DI Leach	
880-5958-5 MSD	S-1 (4-4.5')	Soluble	Solid	DI Leach	
880-5958-15 MS	S-4 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-15 MSD	S-4 (1-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 7761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-25	S-7 (0-1')	Soluble	Solid	DI Leach	
880-5958-26	S-7 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-27	S-7 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-28	S-8 (0-1')	Soluble	Solid	DI Leach	
880-5958-29	S-8 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-30	S-8 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-31	S-8 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-32	S-9 (0-0.1')	Soluble	Solid	DI Leach	
880-5958-33	S-9 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-34	S-10 (0-0.1')	Soluble	Solid	DI Leach	
880-5958-35	S-10 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-36	S-10 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-37	S-10 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-38	S-11 (0-1')	Soluble	Solid	DI Leach	
880-5958-39	S-11 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-40	S-11 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-41	S-11 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-42	S-11 (4-4.5')	Soluble	Solid	DI Leach	
880-5958-43	S-12(0-1')	Soluble	Solid	DI Leach	
880-5958-44	S-12 (1-1.5')	Soluble	Solid	DI Leach	
MB 880-7761/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7761/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7761/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5958-25 MS	S-7 (0-1')	Soluble	Solid	DI Leach	
880-5958-25 MSD	S-7 (0-1')	Soluble	Solid	DI Leach	
880-5958-35 MS	S-10 (1-1.5')	Soluble	Solid	DI Leach	
880-5958-35 MSD	S-10 (1-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 7762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-45	S-12 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-46	S-12 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-47	S-12 (4-4.5')	Soluble	Solid	DI Leach	
880-5958-48	S-13(0-1')	Soluble	Solid	DI Leach	
880-5958-49	S-13 (1-1.5')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 7762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-50	S-13 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-51	S-13 (3-3.5')	Soluble	Solid	DI Leach	
880-5958-52	S-13 (4-4.5')	Soluble	Solid	DI Leach	
MB 880-7762/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7762/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7762/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5958-45 MS	S-12 (2-2.5')	Soluble	Solid	DI Leach	
880-5958-45 MSD	S-12 (2-2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 7772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-1	S-1 (0-1')	Soluble	Solid	300.0	7745
880-5958-2	S-1 (1-1.5')	Soluble	Solid	300.0	7745
880-5958-3	S-1 (2-2.5')	Soluble	Solid	300.0	7745
880-5958-4	S-1 (3-3.5')	Soluble	Solid	300.0	7745
MB 880-7745/1-A	Method Blank	Soluble	Solid	300.0	7745
LCS 880-7745/2-A	Lab Control Sample	Soluble	Solid	300.0	7745
LCSD 880-7745/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7745
880-5957-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	7745
880-5957-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7745

Analysis Batch: 7817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-5	S-1 (4-4.5')	Soluble	Solid	300.0	7760
880-5958-6	S-2 (0-1')	Soluble	Solid	300.0	7760
880-5958-7	S-2 (1-1.5')	Soluble	Solid	300.0	7760
880-5958-8	S-2 (2-2.5')	Soluble	Solid	300.0	7760
880-5958-9	S-2 (3-3.5')	Soluble	Solid	300.0	7760
880-5958-10	S-3 (0-1')	Soluble	Solid	300.0	7760
880-5958-11	S-3 (1-1.5')	Soluble	Solid	300.0	7760
880-5958-12	S-3 (2-2.5')	Soluble	Solid	300.0	7760
880-5958-13	S-3 (3-3.5')	Soluble	Solid	300.0	7760
880-5958-14	S-4 (0-1')	Soluble	Solid	300.0	7760
880-5958-15	S-4 (1-1.5')	Soluble	Solid	300.0	7760
880-5958-16	S-4 (2-2.5')	Soluble	Solid	300.0	7760
880-5958-17	S-5 (0-1')	Soluble	Solid	300.0	7760
880-5958-18	S-5 (1-1.5')	Soluble	Solid	300.0	7760
880-5958-19	S-5 (2-2.5')	Soluble	Solid	300.0	7760
880-5958-20	S-5 (3-3.5')	Soluble	Solid	300.0	7760
880-5958-21	S-6 (0-1')	Soluble	Solid	300.0	7760
880-5958-22	S-6 (1-1.5')	Soluble	Solid	300.0	7760
880-5958-23	S-6 (2-2.5')	Soluble	Solid	300.0	7760
880-5958-24	S-6 (3-3.5')	Soluble	Solid	300.0	7760
MB 880-7760/1-A	Method Blank	Soluble	Solid	300.0	7760
LCS 880-7760/2-A	Lab Control Sample	Soluble	Solid	300.0	7760
LCSD 880-7760/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7760
880-5958-5 MS	S-1 (4-4.5')	Soluble	Solid	300.0	7760
880-5958-5 MSD	S-1 (4-4.5')	Soluble	Solid	300.0	7760
880-5958-15 MS	S-4 (1-1.5')	Soluble	Solid	300.0	7760
880-5958-15 MSD	S-4 (1-1.5')	Soluble	Solid	300.0	7760

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 7818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-25	S-7 (0-1')	Soluble	Solid	300.0	7761
880-5958-26	S-7 (1-1.5')	Soluble	Solid	300.0	7761
880-5958-27	S-7 (2-2.5')	Soluble	Solid	300.0	7761
880-5958-28	S-8 (0-1')	Soluble	Solid	300.0	7761
880-5958-29	S-8 (1-1.5')	Soluble	Solid	300.0	7761
880-5958-30	S-8 (2-2.5')	Soluble	Solid	300.0	7761
880-5958-31	S-8 (3-3.5')	Soluble	Solid	300.0	7761
880-5958-32	S-9 (0-0.1')	Soluble	Solid	300.0	7761
880-5958-33	S-9 (1-1.5')	Soluble	Solid	300.0	7761
880-5958-34	S-10 (0-01')	Soluble	Solid	300.0	7761
880-5958-35	S-10 (1-1.5')	Soluble	Solid	300.0	7761
880-5958-36	S-10 (2-2.5')	Soluble	Solid	300.0	7761
880-5958-37	S-10 (3-3.5')	Soluble	Solid	300.0	7761
880-5958-38	S-11 (0-1')	Soluble	Solid	300.0	7761
880-5958-39	S-11 (1-1.5')	Soluble	Solid	300.0	7761
880-5958-40	S-11 (2-2.5')	Soluble	Solid	300.0	7761
880-5958-41	S-11 (3-3.5')	Soluble	Solid	300.0	7761
880-5958-42	S-11 (4-4.5')	Soluble	Solid	300.0	7761
880-5958-43	S-12(0-1')	Soluble	Solid	300.0	7761
880-5958-44	S-12 (1-1.5')	Soluble	Solid	300.0	7761
MB 880-7761/1-A	Method Blank	Soluble	Solid	300.0	7761
LCS 880-7761/2-A	Lab Control Sample	Soluble	Solid	300.0	7761
LCSD 880-7761/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7761
880-5958-25 MS	S-7 (0-1')	Soluble	Solid	300.0	7761
880-5958-25 MSD	S-7 (0-1')	Soluble	Solid	300.0	7761
880-5958-35 MS	S-10 (1-1.5')	Soluble	Solid	300.0	7761
880-5958-35 MSD	S-10 (1-1.5')	Soluble	Solid	300.0	7761

Analysis Batch: 7826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5958-45	S-12 (2-2.5')	Soluble	Solid	300.0	7762
880-5958-46	S-12 (3-3.5')	Soluble	Solid	300.0	7762
880-5958-47	S-12 (4-4.5')	Soluble	Solid	300.0	7762
880-5958-48	S-13(0-1')	Soluble	Solid	300.0	7762
880-5958-49	S-13 (1-1.5')	Soluble	Solid	300.0	7762
880-5958-50	S-13 (2-2.5')	Soluble	Solid	300.0	7762
880-5958-51	S-13 (3-3.5')	Soluble	Solid	300.0	7762
880-5958-52	S-13 (4-4.5')	Soluble	Solid	300.0	7762
MB 880-7762/1-A	Method Blank	Soluble	Solid	300.0	7762
LCS 880-7762/2-A	Lab Control Sample	Soluble	Solid	300.0	7762
LCSD 880-7762/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7762
880-5958-45 MS	S-12 (2-2.5')	Soluble	Solid	300.0	7762
880-5958-45 MSD	S-12 (2-2.5')	Soluble	Solid	300.0	7762

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-5958-1

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 20:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 22:50	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7745	09/10/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1			7772	09/11/21 18:24	CH	XEN MID

Client Sample ID: S-1 (1-1.5')

Lab Sample ID: 880-5958-2

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 20:59	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 23:54	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7745	09/10/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1			7772	09/11/21 18:29	CH	XEN MID

Client Sample ID: S-1 (2-2.5')

Lab Sample ID: 880-5958-3

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 21:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 00:16	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7745	09/10/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1			7772	09/11/21 18:46	CH	XEN MID

Client Sample ID: S-1 (3-3.5')

Lab Sample ID: 880-5958-4

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 21:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 00:37	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7745	09/10/21 12:54	CH	XEN MID
Soluble	Analysis	300.0		1			7772	09/11/21 18:52	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (4-4.5')

Lab Sample ID: 880-5958-5

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 22:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 00:59	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 13:30	SC	XEN MID

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-5958-6

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 22:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 01:20	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 13:47	SC	XEN MID

Client Sample ID: S-2 (1-1.5')

Lab Sample ID: 880-5958-7

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 22:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 01:42	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 13:52	SC	XEN MID

Client Sample ID: S-2 (2-2.5')

Lab Sample ID: 880-5958-8

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 23:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 02:03	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 13:58	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (3-3.5')

Lab Sample ID: 880-5958-9

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 23:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 02:25	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 14:03	SC	XEN MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-5958-10

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/12/21 23:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 02:46	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		10			7817	09/13/21 14:20	SC	XEN MID

Client Sample ID: S-3 (1-1.5')

Lab Sample ID: 880-5958-11

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 01:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 03:29	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 14:26	SC	XEN MID

Client Sample ID: S-3 (2-2.5')

Lab Sample ID: 880-5958-12

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 01:24	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 03:51	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 14:31	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (3-3.5')

Lab Sample ID: 880-5958-13

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 01:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 04:12	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 14:37	SC	XEN MID

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-5958-14

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 02:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 04:34	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 14:43	SC	XEN MID

Client Sample ID: S-4 (1-1.5')

Lab Sample ID: 880-5958-15

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 02:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 04:55	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 14:48	SC	XEN MID

Client Sample ID: S-4 (2-2.5')

Lab Sample ID: 880-5958-16

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 02:46	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 05:16	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 15:05	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-5958-17

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 03:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 05:37	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		10			7817	09/13/21 15:11	SC	XEN MID

Client Sample ID: S-5 (1-1.5')

Lab Sample ID: 880-5958-18

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 03:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 05:58	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		10			7817	09/13/21 15:28	SC	XEN MID

Client Sample ID: S-5 (2-2.5')

Lab Sample ID: 880-5958-19

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 03:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 06:18	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		5			7817	09/13/21 15:33	SC	XEN MID

Client Sample ID: S-5 (3-3.5')

Lab Sample ID: 880-5958-20

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7755	09/10/21 13:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7782	09/13/21 04:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7756	09/10/21 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/11/21 06:39	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		5			7817	09/13/21 15:39	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-5958-21

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 05:17	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/10/21 22:50	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		10			7817	09/13/21 15:44	SC	XEN MID

Client Sample ID: S-6 (1-1.5')

Lab Sample ID: 880-5958-22

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 05:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/10/21 23:54	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 15:50	SC	XEN MID

Client Sample ID: S-6 (2-2.5')

Lab Sample ID: 880-5958-23

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 05:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 00:16	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 15:56	SC	XEN MID

Client Sample ID: S-6 (3-3.5')

Lab Sample ID: 880-5958-24

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 06:18	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 00:37	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7760	09/10/21 14:04	CH	XEN MID
Soluble	Analysis	300.0		1			7817	09/13/21 16:01	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-5958-25

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 06:38	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 00:59	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 15:34	CH	XEN MID

Client Sample ID: S-7 (1-1.5')

Lab Sample ID: 880-5958-26

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 06:59	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 01:20	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 15:50	CH	XEN MID

Client Sample ID: S-7 (2-2.5')

Lab Sample ID: 880-5958-27

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 07:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 01:42	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 15:56	CH	XEN MID

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-5958-28

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 07:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 02:03	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 16:01	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-8 (1-1.'5)

Lab Sample ID: 880-5958-29

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 08:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 02:25	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 16:07	CH	XEN MID

Client Sample ID: S-8 (2-2.'5)

Lab Sample ID: 880-5958-30

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 08:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 02:46	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 16:24	CH	XEN MID

Client Sample ID: S-8 (3-3.'5)

Lab Sample ID: 880-5958-31

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 10:10	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 03:29	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 16:29	CH	XEN MID

Client Sample ID: S-9 (0-0.'1')

Lab Sample ID: 880-5958-32

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 10:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 03:51	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		10			7818	09/13/21 16:35	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-9 (1-1.5')

Lab Sample ID: 880-5958-33

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 10:51	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 04:12	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		10			7818	09/13/21 16:40	CH	XEN MID

Client Sample ID: S-10 (0-01')

Lab Sample ID: 880-5958-34

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 11:11	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 04:34	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 16:46	CH	XEN MID

Client Sample ID: S-10 (1-1.5')

Lab Sample ID: 880-5958-35

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 11:32	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 04:55	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 16:52	CH	XEN MID

Client Sample ID: S-10 (2-2.5')

Lab Sample ID: 880-5958-36

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 11:52	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 05:16	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 17:08	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-10 (3-3.5')

Lab Sample ID: 880-5958-37

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 12:12	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 05:37	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 17:14	CH	XEN MID

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-5958-38

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 12:33	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 05:58	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		10			7818	09/13/21 17:31	CH	XEN MID

Client Sample ID: S-11 (1-1.5')

Lab Sample ID: 880-5958-39

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 12:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 06:18	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		10			7818	09/13/21 17:36	CH	XEN MID

Client Sample ID: S-11 (2-2.5')

Lab Sample ID: 880-5958-40

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7757	09/10/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7783	09/13/21 13:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7759	09/10/21 14:03	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7725	09/11/21 06:39	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 17:42	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 SDG: Eddy Co, NM

Client Sample ID: S-11 (3-3.5')

Lab Sample ID: 880-5958-41

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 12:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 17:09	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 17:47	CH	XEN MID

Client Sample ID: S-11 (4-4.5')

Lab Sample ID: 880-5958-42

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 13:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 17:51	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		20			7818	09/13/21 17:53	CH	XEN MID

Client Sample ID: S-12(0-1')

Lab Sample ID: 880-5958-43

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 13:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 18:12	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			7818	09/13/21 17:58	CH	XEN MID

Client Sample ID: S-12 (1-1.5')

Lab Sample ID: 880-5958-44

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 13:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 18:34	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7761	09/10/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		5			7818	09/13/21 18:04	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-12 (2-2.'5)

Lab Sample ID: 880-5958-45

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 14:03	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 18:55	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		20			7826	09/13/21 21:20	SC	XEN MID

Client Sample ID: S-12 (3-3.5')

Lab Sample ID: 880-5958-46

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 14:24	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 19:17	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		10			7826	09/13/21 21:37	SC	XEN MID

Client Sample ID: S-12 (4-4.5')

Lab Sample ID: 880-5958-47

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 14:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 19:38	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 21:42	SC	XEN MID

Client Sample ID: S-13(0-1')

Lab Sample ID: 880-5958-48

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 15:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 19:59	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		20			7826	09/13/21 21:48	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
SDG: Eddy Co, NM

Client Sample ID: S-13 (1-1.5')

Lab Sample ID: 880-5958-49

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 15:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 20:21	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		20			7826	09/13/21 21:53	SC	XEN MID

Client Sample ID: S-13 (2-2.'5)

Lab Sample ID: 880-5958-50

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 15:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 20:42	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		5			7826	09/13/21 22:10	SC	XEN MID

Client Sample ID: S-13 (3-3.5')

Lab Sample ID: 880-5958-51

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 17:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7730	09/10/21 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7723	09/10/21 21:03	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		5			7826	09/13/21 22:16	SC	XEN MID

Client Sample ID: S-13 (4-4.'5)

Lab Sample ID: 880-5958-52

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:36

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	7758	09/14/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7857	09/14/21 17:28	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 21:44	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 22:21	SC	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
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

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Method Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-5958-1
 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



Sample Summary

Client: NT Global

Job ID: 880-5958-1

Project/Site: Diamondback 22 State 2H (8.30.21)

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5958-1	S-1 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-2	S-1 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-3	S-1 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-4	S-1 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-5	S-1 (4-4.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-6	S-2 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-7	S-2 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-8	S-2 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-9	S-2 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-10	S-3 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-11	S-3 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-12	S-3 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-13	S-3 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-14	S-4 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-15	S-4 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-16	S-4 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-17	S-5 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-18	S-5 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-19	S-5 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-20	S-5 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-21	S-6 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-22	S-6 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-23	S-6 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-24	S-6 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-25	S-7 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-26	S-7 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-27	S-7 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-28	S-8 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-29	S-8 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-30	S-8 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-31	S-8 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-32	S-9 (0-0.1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-33	S-9 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-34	S-10 (0-01')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-35	S-10 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-36	S-10 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-37	S-10 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-38	S-11 (0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-39	S-11 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-40	S-11 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-41	S-11 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-42	S-11 (4-4.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-43	S-12(0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-44	S-12 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-45	S-12 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-46	S-12 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-47	S-12 (4-4.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-48	S-13(0-1')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-49	S-13 (1-1.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-50	S-13 (2-2.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-51	S-13 (3-3.5')	Solid	09/09/21 00:00	09/10/21 11:36
880-5958-52	S-13 (4-4.5')	Solid	09/09/21 00:00	09/10/21 11:36



Chain of Custody



880-5958 Chain of Custody

5958

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Project Manager	Mike Carmora	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	432-813-0263	Email	jacqui.harris@conocophillips.com

Program - <input type="checkbox"/> UST/ <input type="checkbox"/> PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund State of Project:	Work Order Comments <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other
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Project Name	Diamondback 22 State 2H (8 30 21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number	214634	Due Date	72 hrs		
Project Location	Eddy Co, NM	TAT starts the day received by the lab if received by 4:30pm			
Sampler's Name	NH/CRM	Temp Blank	Yes () No ()	Thermometer ID	128
PO #:		Wet Ice	Yes () No ()	Correction Factor	+0.5
SAMPLE RECEIPT		Sample Custody Seals	Yes () No ()	Temperature Reading	3.6
Received Intact	Yes () No ()	Sample Custody Seals	Yes () No ()	Corrected Temperature	4.1
Cooler Custody Seals	Yes () No ()	Parameters			
Sample Custody Seals	Yes () No ()	BTEX 8021B			
Total Containers	4	TPH 8015M (GRO + DRO + MRO)			
		Chloride 300 0			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
S-1 (0-1')	9/9/2021	-	X		G	1		None NO	
S-1 (1-1.5)	9/9/2021	-	X		G	1		DI Water- H ₂ O	
S-1 (2-2.5)	9/9/2021	-	X		G	1		Cool Cool	MeOH Me
S-1 (3-3.5)	9/9/2021	-	X		G	1		HCL HC	HNO ₃ HN
S-1 (4-4.5)	9/9/2021	-	X		G	1		H ₂ SO ₄ H ₂	NaOH Na
S-2 (0-1')	9/9/2021	-	X		G	1		H ₃ PO ₄ HP	
S-2 (1-1.5)	9/9/2021	-	X		G	1		NaHSO ₄ NABIS	
S-2 (2-2.5)	9/9/2021	-	X		G	1		Na ₂ S ₂ O ₃ NaSO ₃	
S-2 (3-3.5)	9/9/2021	-	X		G	1		Zn Acetate+NaOH Zn	
S-3 (0-1')	9/9/2021	-	X		G	1		NaOH+Ascorbic Acid SAPC	

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/10/21 13:1			



Chain of Custody

Work Order No: 5958

Page 2 of 6

9/15/2021

Project Manager	Mike Carmona	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	432-813-0263	Email	jacqui.harris@conocophillips.com

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

Project Name	Diamondback 22 State 2H (8 30 21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number	214634	Due Date	72 hrs				None NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₅ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC
Project Location	Eddy Co, NM	TAT starts the day received by the lab if received by 4:30pm					
Sampler's Name	NH/CRM						
PO #:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	
S-3 (1-1 5')	9/9/2021	-	X		G	1	X	X	X	
S-3 (2-2 5')	9/9/2021	-	X		G	1	X	X	X	
S-3 (3-3 5')	9/9/2021	-	X		G	1	X	X	X	
S-4 (0-1')	9/9/2021	-	X		G	1	X	X	X	
S-4 (1-1 5')	9/9/2021	-	X		G	1	X	X	X	
S-4 (2-2 5')	9/9/2021	-	X		G	1	X	X	X	
S-5 (0-1')	9/9/2021	-	X		G	1	X	X	X	
S-5 (1-1 5')	9/9/2021	-	X		G	1	X	X	X	
S-5 (2-2 5')	9/9/2021	-	X		G	1	X	X	X	
S-5 (3-3 5')	9/9/2021	-	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
<i>Jacqu Harris</i>	<i>Jacqu Harris</i>	9/10/11 11:31			



Chain of Custody

Work Order No:

5958

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9/15/2021

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	432-813-0263	Email	jacqui.harris@conocophillips.com
Project Name	Diamondback 22 State 2H (8 30 21)		
Project Number	214634	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Location	Eddy Co, NM	Due Date	72 hrs
Sampler's Name	NH/CRM	TAT starts the day received by the lab. If received by 4:30pm	
PO #:		Temp Blank	Yes (No)
SAMPLE RECEIPT	Received Intact	Yes (No)	Thermometer ID
	Cooler Custody Seals	Yes (No)	Correction Factor
	Sample Custody Seals	Yes (No)	Temperature Reading
Total Containers		Corrected Temperature	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont.	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	
S-6 (0-1')	9/9/2021	-	X		G	1	X	X	X	
S-6 (1-1.5')	9/9/2021	-	X		G	1	X	X	X	
S-6 (2-2.5')	9/9/2021	-	X		G	1	X	X	X	
S-6 (3-3.5')	9/9/2021	-	X		G	1	X	X	X	
S-7 (0-1')	9/9/2021	-	X		G	1	X	X	X	
S-7 (1-1.5')	9/9/2021	-	X		G	1	X	X	X	
S-7 (2-2.5')	9/9/2021	-	X		G	1	X	X	X	
S-8 (0-1')	9/9/2021	-	X		G	1	X	X	X	
S-8 (1-1.5')	9/9/2021	-	X		G	1	X	X	X	
S-8 (2-2.5')	9/9/2021	-	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
<i>Mike Carmona</i>	<i>Jacqui Harris</i>	9/10/21 11:31			



Chain of Custody

Work Order No: 5958

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Project Manager	Mike Carrona	Bill to (if different)	Jacquie 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	432-813-0263	Email	jacquie.harris@conocophillips.com

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund State of Project: _____ Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other _____	Work Order Comments _____
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Project Name	Project Number	Project Location	Sampler's Name	PO #	Turn Around		Due Date	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush					
Diamondback 22 State 2H (8 30 21)	214634	Eddy Co. NM	NH/CRM		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	72 hrs	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0			None NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NAHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC
SAMPLE RECEIPT Received Intact: Yes (Yes) No (No) Thermometer ID: 128 Cooler Custody Seals: Yes (Yes) No (No) Correction Factor: 10.5 Sample Custody Seals: Yes (Yes) No (No) Temperature Reading: 3.6 Total Containers: Corrected Temperature: 4.1											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont					
S-8 (3-3 5')	9/9/2021	-	X		G	1	X	X	X		
S-9 (0-1')	9/9/2021	-	X		G	1	X	X	X		
S-9 (1-1 5')	9/9/2021	-	X		G	1	X	X	X		
S-10 (0-1')	9/9/2021	-	X		G	1	X	X	X		
S-10 (1-1 5')	9/9/2021	-	X		G	1	X	X	X		
S-10 (2-2 5')	9/9/2021	-	X		G	1	X	X	X		
S-10 (3-3 5')	9/9/2021	-	X		G	1	X	X	X		
S-11 (0-1')	9/9/2021	-	X		G	1	X	X	X		
S-11 (1-1 5')	9/9/2021	-	X		G	1	X	X	X		
S-11 (2-2 5')	9/9/2021	-	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
<i>[Signature]</i>	<i>[Signature]</i>	9/10/21 1:31			

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Chain of Custody

Work Order No: 5958

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Project Manager	Mike Carriona	Bill to (if different)	Jacquie 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	432-813-0263	Email	jacquie.harris@conocophillips.com

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

Project Name	Project Number	Project Location	Sampler's Name	PO #	Turn Around		Due Date	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments																																																																													
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush																																																																																			
Diamondback 22 State 2H (8 30 21)	214634	Eddy Co, NM	NH/CRM		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	72 hrs	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300 0																																																																																	
<table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date</th> <th>Time</th> <th>Soil</th> <th>Water</th> <th>Grab/Comp</th> <th># of Cont</th> </tr> </thead> <tbody> <tr><td>S-11 (3-3 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-11 (4-4 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-12 (0-1)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-12 (1-1 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-12 (2-2 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-12 (3-3 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-12 (4-4 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-13 (0-1)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-13 (1-1 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> <tr><td>S-13 (2-2 5)</td><td>9/9/2021</td><td>-</td><td>X</td><td></td><td>G</td><td>1</td></tr> </tbody> </table>													Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	S-11 (3-3 5)	9/9/2021	-	X		G	1	S-11 (4-4 5)	9/9/2021	-	X		G	1	S-12 (0-1)	9/9/2021	-	X		G	1	S-12 (1-1 5)	9/9/2021	-	X		G	1	S-12 (2-2 5)	9/9/2021	-	X		G	1	S-12 (3-3 5)	9/9/2021	-	X		G	1	S-12 (4-4 5)	9/9/2021	-	X		G	1	S-13 (0-1)	9/9/2021	-	X		G	1	S-13 (1-1 5)	9/9/2021	-	X		G	1	S-13 (2-2 5)	9/9/2021	-	X		G	1
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S-13 (2-2 5)	9/9/2021	-	X		G	1																																																																																			

Additional Comments:

Relinquished by (Signature) [Signature] Received by (Signature) [Signature] Date/Time 9/10/21 11:31

Relinquished by (Signature) [Signature] Received by (Signature) [Signature] Date/Time [Signature]

Relinquished by (Signature) [Signature] Received by (Signature) [Signature] Date/Time [Signature]

Relinquished by (Signature) [Signature] Received by (Signature) [Signature] Date/Time [Signature]

Relinquished by (Signature) [Signature] Received by (Signature) [Signature] Date/Time [Signature]



Chain of Custody

Work Order No: 5958

9/15/2021

Project Manager	Mike Carrona	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	432-813-0263	Email	jacqui.harris@conocophillips.com

Project Name:	Diamondback 22 State 2H (8 30 21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	214634	Due Date	72 hrs	ANALYSIS REQUEST	
Project Location:	Eddy Co, NM	TAT starts the day received by the lab if received by 4:30pm			
Samplers Name:	NH/CRM				
PO #:					
SAMPLE RECEIPT	Temp Blank	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Received Intact:	Thermometer ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Cooler Custody Seals:	Correction Factor	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Sample Custody Seals:	Temperature Reading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Total Containers:	Corrected Temperature				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters						Sample Comments
S-13 (3-3 5')	9/9/2021	-	X		G	1	X	X	X	X	X	X	
S-13 (4-4 5')	9/9/2021	-	X		G	1	X	X	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
<i>[Signature]</i>	<i>[Signature]</i>	9/10/21 11:31

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-5958-1

SDG Number: Eddy Co, NM

Login Number: 5958

List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Teel, Brianna

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

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Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-5964-1
Laboratory Sample Delivery Group: 214634
Client Project/Site: Diamondback 22 State 2H (8.3.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:
9/14/2021 12:42:48 PM

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



LINKS

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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.

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Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Laboratory Job ID: 880-5964-1
SDG: 214634

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Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Job ID: 880-5964-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5964-1

Receipt

The samples were received on 9/10/2021 11:31 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 4.1°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-5 (0-6") (880-5964-5) and H-10 (0-6") (880-5964-10). 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.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-13 (0-6") (880-5964-13). 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
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-5964-1

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 01:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 01:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 01:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 01:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 01:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 01:19	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	09/13/21 10:02	09/14/21 01:19	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/13/21 10:02	09/14/21 01:19	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	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 13:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 13:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 13:33	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/10/21 14:25	09/13/21 13:33	1
o-Terphenyl	125		70 - 130	09/10/21 14:25	09/13/21 13:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		5.00		mg/Kg			09/13/21 22:27	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-5964-2

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 01:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 01:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 01:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 01:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 01:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 01:39	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/13/21 10:02	09/14/21 01:39	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/13/21 10:02	09/14/21 01:39	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-5964-2

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 14:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 14:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 14:59	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/10/21 14:25	09/13/21 14:59	1
o-Terphenyl	123		70 - 130	09/10/21 14:25	09/13/21 14:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		4.96		mg/Kg			09/13/21 22:33	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-5964-3

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 02:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 02:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 02:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 02:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 02:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 02:00	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	09/13/21 10:02	09/14/21 02:00	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/13/21 10:02	09/14/21 02:00	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		09/10/21 14:25	09/13/21 15:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 15:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 15:20	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	09/10/21 14:25	09/13/21 15:20	1
o-Terphenyl	118		70 - 130	09/10/21 14:25	09/13/21 15:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.7		5.05		mg/Kg			09/13/21 22:38	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-5964-4

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 02:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/13/21 10:02	09/14/21 02:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/13/21 10:02	09/14/21 02:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/13/21 10:02	09/14/21 02:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/13/21 10:02	09/14/21 02:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/13/21 10:02	09/14/21 02:20	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		09/13/21 10:02	09/14/21 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	09/13/21 10:02	09/14/21 02:20	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/13/21 10:02	09/14/21 02:20	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	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 15:42	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 15:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 15:42	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/10/21 14:25	09/13/21 15:42	1
o-Terphenyl	113		70 - 130	09/10/21 14:25	09/13/21 15:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		4.98		mg/Kg			09/13/21 22:55	1

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-5964-5

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 02:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 02:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 02:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/21 10:02	09/14/21 02:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 02:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/21 10:02	09/14/21 02:41	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/13/21 10:02	09/14/21 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	09/13/21 10:02	09/14/21 02:41	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/13/21 10:02	09/14/21 02:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-5964-5

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/10/21 14:25	09/13/21 16:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 16:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 16:03	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/10/21 14:25	09/13/21 16:03	1
o-Terphenyl	113		70 - 130	09/10/21 14:25	09/13/21 16:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.6		4.99		mg/Kg			09/13/21 23:01	1

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-5964-6

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 03:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/13/21 10:02	09/14/21 03:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/13/21 10:02	09/14/21 03:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/13/21 10:02	09/14/21 03:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/13/21 10:02	09/14/21 03:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/13/21 10:02	09/14/21 03:01	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		09/13/21 10:02	09/14/21 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/13/21 10:02	09/14/21 03:01	1
1,4-Difluorobenzene (Surr)	76		70 - 130	09/13/21 10:02	09/14/21 03:01	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		09/10/21 14:25	09/13/21 16:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 16:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 16:25	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	09/10/21 14:25	09/13/21 16:25	1
o-Terphenyl	129		70 - 130	09/10/21 14:25	09/13/21 16:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		5.00		mg/Kg			09/13/21 23:18	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-7 (0-6")

Lab Sample ID: 880-5964-7

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 03:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 03:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 03:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 03:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 03:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 03:22	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	09/13/21 10:02	09/14/21 03:22	1
1,4-Difluorobenzene (Surr)	75		70 - 130	09/13/21 10:02	09/14/21 03:22	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	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 16:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 16:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 16:46	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/10/21 14:25	09/13/21 16:46	1
o-Terphenyl	119		70 - 130	09/10/21 14:25	09/13/21 16:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.90		5.00		mg/Kg			09/13/21 23:23	1

Client Sample ID: H-8 (0-6")

Lab Sample ID: 880-5964-8

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 03:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/13/21 10:02	09/14/21 03:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/13/21 10:02	09/14/21 03:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/13/21 10:02	09/14/21 03:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/13/21 10:02	09/14/21 03:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/13/21 10:02	09/14/21 03:42	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/13/21 10:02	09/14/21 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	09/13/21 10:02	09/14/21 03:42	1
1,4-Difluorobenzene (Surr)	74		70 - 130	09/13/21 10:02	09/14/21 03:42	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-8 (0-6")

Lab Sample ID: 880-5964-8

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/10/21 14:25	09/13/21 17:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 17:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 17:08	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	09/10/21 14:25	09/13/21 17:08	1
o-Terphenyl	125		70 - 130	09/10/21 14:25	09/13/21 17:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		4.95		mg/Kg			09/13/21 23:29	1

Client Sample ID: H-9 (0-6")

Lab Sample ID: 880-5964-9

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 04:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 04:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 04:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 04:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 04:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 04:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	09/13/21 10:02	09/14/21 04:02	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/13/21 10:02	09/14/21 04:02	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		09/10/21 14:25	09/13/21 17:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 17:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 17:30	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	09/10/21 14:25	09/13/21 17:30	1
o-Terphenyl	115		70 - 130	09/10/21 14:25	09/13/21 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		4.97		mg/Kg			09/13/21 23:34	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-10 (0-6")

Lab Sample ID: 880-5964-10

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 04:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 04:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 04:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/13/21 10:02	09/14/21 04:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 04:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/13/21 10:02	09/14/21 04:23	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/13/21 10:02	09/14/21 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	09/13/21 10:02	09/14/21 04:23	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	09/13/21 10:02	09/14/21 04:23	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		09/10/21 14:25	09/13/21 17:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 17:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 17:51	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	09/10/21 14:25	09/13/21 17:51	1
o-Terphenyl	122		70 - 130	09/10/21 14:25	09/13/21 17:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.99		mg/Kg			09/13/21 23:40	1

Client Sample ID: H-11 (0-6")

Lab Sample ID: 880-5964-11

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 05:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 05:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 05:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 05:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 05:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 05:44	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/13/21 10:02	09/14/21 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/13/21 10:02	09/14/21 05:44	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/13/21 10:02	09/14/21 05:44	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-11 (0-6")

Lab Sample ID: 880-5964-11

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/10/21 14:25	09/13/21 18:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 18:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 18:34	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/10/21 14:25	09/13/21 18:34	1
o-Terphenyl	112		70 - 130	09/10/21 14:25	09/13/21 18:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.98		mg/Kg			09/13/21 23:46	1

Client Sample ID: H-12 (0-6")

Lab Sample ID: 880-5964-12

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 06:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 06:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 06:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 06:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 06:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 06:05	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 06:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	09/13/21 10:02	09/14/21 06:05	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/13/21 10:02	09/14/21 06:05	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		09/10/21 14:25	09/13/21 18:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 18:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 18:55	1
Total TPH	<49.9	U	49.9		mg/Kg		09/10/21 14:25	09/13/21 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	09/10/21 14:25	09/13/21 18:55	1
o-Terphenyl	113		70 - 130	09/10/21 14:25	09/13/21 18:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		5.00		mg/Kg			09/13/21 23:51	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-13 (0-6")

Lab Sample ID: 880-5964-13

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 06:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 06:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 06:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 06:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/21 10:02	09/14/21 06:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 06:25	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/13/21 10:02	09/14/21 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	09/13/21 10:02	09/14/21 06:25	1
1,4-Difluorobenzene (Surr)	78		70 - 130	09/13/21 10:02	09/14/21 06:25	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	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 19:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 19:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 19:16	1
Total TPH	<49.7	U	49.7		mg/Kg		09/10/21 14:25	09/13/21 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	09/10/21 14:25	09/13/21 19:16	1
o-Terphenyl	132	S1+	70 - 130	09/10/21 14:25	09/13/21 19:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			09/13/21 18:48	1

Client Sample ID: H-14 (0-6")

Lab Sample ID: 880-5964-14

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/13/21 10:02	09/14/21 06:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 06:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 06:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/13/21 10:02	09/14/21 06:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 06:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/13/21 10:02	09/14/21 06:46	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/13/21 10:02	09/14/21 06:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	09/13/21 10:02	09/14/21 06:46	1
1,4-Difluorobenzene (Surr)	74		70 - 130	09/13/21 10:02	09/14/21 06:46	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

Client Sample ID: H-14 (0-6")

Lab Sample ID: 880-5964-14

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

Sample Depth: 0 - 6"

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		09/10/21 14:25	09/13/21 19:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 19:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 19:37	1
Total TPH	<49.8	U	49.8		mg/Kg		09/10/21 14:25	09/13/21 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	09/10/21 14:25	09/13/21 19:37	1
o-Terphenyl	130		70 - 130	09/10/21 14:25	09/13/21 19:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			09/13/21 19:05	1

Surrogate Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

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)
880-5964-1	H-1 (0-6")	123	78
880-5964-1 MS	H-1 (0-6")	117	88
880-5964-1 MSD	H-1 (0-6")	118	84
880-5964-2	H-2 (0-6")	115	90
880-5964-3	H-3 (0-6")	122	79
880-5964-4	H-4 (0-6")	126	77
880-5964-5	H-5 (0-6")	131 S1+	78
880-5964-6	H-6 (0-6")	107	76
880-5964-7	H-7 (0-6")	118	75
880-5964-8	H-8 (0-6")	122	74
880-5964-9	H-9 (0-6")	122	79
880-5964-10	H-10 (0-6")	117	68 S1-
880-5964-11	H-11 (0-6")	110	78
880-5964-12	H-12 (0-6")	114	77
880-5964-13	H-13 (0-6")	125	78
880-5964-14	H-14 (0-6")	121	74
LCS 880-7800/1-A	Lab Control Sample	116	88
LCSD 880-7800/2-A	Lab Control Sample Dup	112	88
MB 880-7798/5-A	Method Blank	112	79
MB 880-7800/5-A	Method Blank	98	77

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)
880-5964-1	H-1 (0-6")	107	125
880-5964-1 MS	H-1 (0-6")	101	109
880-5964-1 MSD	H-1 (0-6")	98	103
880-5964-2	H-2 (0-6")	107	123
880-5964-3	H-3 (0-6")	103	118
880-5964-4	H-4 (0-6")	101	113
880-5964-5	H-5 (0-6")	101	113
880-5964-6	H-6 (0-6")	112	129
880-5964-7	H-7 (0-6")	104	119
880-5964-8	H-8 (0-6")	109	125
880-5964-9	H-9 (0-6")	104	115
880-5964-10	H-10 (0-6")	110	122
880-5964-11	H-11 (0-6")	101	112
880-5964-12	H-12 (0-6")	102	113
880-5964-13	H-13 (0-6")	114	132 S1+
880-5964-14	H-14 (0-6")	112	130
LCS 880-7768/2-A	Lab Control Sample	110	120
LCSD 880-7768/3-A	Lab Control Sample Dup	109	117
MB 880-7768/1-A	Method Blank	102	116

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Surrogate Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7798/5-A
 Matrix: Solid
 Analysis Batch: 7814

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 7798

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/21 09:54	09/13/21 14:06	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/13/21 09:54	09/13/21 14:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	112		70 - 130	09/13/21 09:54	09/13/21 14:06	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/13/21 09:54	09/13/21 14:06	1

Lab Sample ID: MB 880-7800/5-A
 Matrix: Solid
 Analysis Batch: 7814

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 7800

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 00:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 00:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 00:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/21 10:02	09/14/21 00:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:02	09/14/21 00:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/21 10:02	09/14/21 00:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/13/21 10:02	09/14/21 00:57	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	98		70 - 130	09/13/21 10:02	09/14/21 00:57	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/13/21 10:02	09/14/21 00:57	1

Lab Sample ID: LCS 880-7800/1-A
 Matrix: Solid
 Analysis Batch: 7814

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 7800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.09103		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09746		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1997		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

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

Lab Sample ID: LCSD 880-7800/2-A
 Matrix: Solid
 Analysis Batch: 7814

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7800

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	0.100	0.09422		mg/Kg		94	70 - 130	5	35
Toluene	0.100	0.08851		mg/Kg		89	70 - 130	3	35
Ethylbenzene	0.100	0.08945		mg/Kg		89	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1838		mg/Kg		92	70 - 130	8	35
o-Xylene	0.100	0.09190		mg/Kg		92	70 - 130	9	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-5964-1 MS
 Matrix: Solid
 Analysis Batch: 7814

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 7800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Benzene	<0.00199	U	0.100	0.08982		mg/Kg		90	70 - 130		
Toluene	<0.00199	U	0.100	0.08552		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.08699		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1814		mg/Kg		91	70 - 130		
o-Xylene	<0.00199	U	0.100	0.09016		mg/Kg		90	70 - 130		

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-5964-1 MSD
 Matrix: Solid
 Analysis Batch: 7814

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 7800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Benzene	<0.00199	U	0.0996	0.08402		mg/Kg		84	70 - 130	7	35
Toluene	<0.00199	U	0.0996	0.08184		mg/Kg		82	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.0996	0.08245		mg/Kg		83	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1711		mg/Kg		86	70 - 130	6	35
o-Xylene	<0.00199	U	0.0996	0.08533		mg/Kg		86	70 - 130	6	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

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

Lab Sample ID: MB 880-7768/1-A
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 7768

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		09/10/21 14:25	09/13/21 12:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1
Total TPH	<50.0	U	50.0		mg/Kg		09/10/21 14:25	09/13/21 12:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	09/10/21 14:25	09/13/21 12:28	1
o-Terphenyl	116		70 - 130	09/10/21 14:25	09/13/21 12:28	1

Lab Sample ID: LCS 880-7768/2-A
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 7768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	784.1		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	820.7		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-7768/3-A
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 7768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	745.4		mg/Kg		75	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	809.0		mg/Kg		81	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-5964-1 MS
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 7768

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	828.8		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	833.3		mg/Kg		84	70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

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

Lab Sample ID: 880-5964-1 MS
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 7768

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-5964-1 MSD
 Matrix: Solid
 Analysis Batch: 7792

Client Sample ID: H-1 (0-6")
 Prep Type: Total/NA
 Prep Batch: 7768

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	779.4		mg/Kg		78	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	798.9		mg/Kg		80	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7762/1-A
 Matrix: Solid
 Analysis Batch: 7826

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			09/13/21 21:03	1

Lab Sample ID: LCS 880-7762/2-A
 Matrix: Solid
 Analysis Batch: 7826

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-7762/3-A
 Matrix: Solid
 Analysis Batch: 7826

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	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-5964-3 MS
 Matrix: Solid
 Analysis Batch: 7826

Client Sample ID: H-3 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	81.7		253	339.6		mg/Kg		102	90 - 110

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5964-3 MSD
 Matrix: Solid
 Analysis Batch: 7826

Client Sample ID: H-3 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	81.7		253	340.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-7766/1-A
 Matrix: Solid
 Analysis Batch: 7828

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			09/13/21 18:32	1

Lab Sample ID: LCS 880-7766/2-A
 Matrix: Solid
 Analysis Batch: 7828

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-7766/3-A
 Matrix: Solid
 Analysis Batch: 7828

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	242.1		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-5964-13 MS
 Matrix: Solid
 Analysis Batch: 7828

Client Sample ID: H-13 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<5.03	U	252	267.7		mg/Kg		106	90 - 110

Lab Sample ID: 880-5964-13 MSD
 Matrix: Solid
 Analysis Batch: 7828

Client Sample ID: H-13 (0-6")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.03	U	252	259.1		mg/Kg		102	90 - 110	3	20

QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

GC VOA

Prep Batch: 7798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7798/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 7800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-1	H-1 (0-6")	Total/NA	Solid	5035	
880-5964-2	H-2 (0-6")	Total/NA	Solid	5035	
880-5964-3	H-3 (0-6")	Total/NA	Solid	5035	
880-5964-4	H-4 (0-6")	Total/NA	Solid	5035	
880-5964-5	H-5 (0-6")	Total/NA	Solid	5035	
880-5964-6	H-6 (0-6")	Total/NA	Solid	5035	
880-5964-7	H-7 (0-6")	Total/NA	Solid	5035	
880-5964-8	H-8 (0-6")	Total/NA	Solid	5035	
880-5964-9	H-9 (0-6")	Total/NA	Solid	5035	
880-5964-10	H-10 (0-6")	Total/NA	Solid	5035	
880-5964-11	H-11 (0-6")	Total/NA	Solid	5035	
880-5964-12	H-12 (0-6")	Total/NA	Solid	5035	
880-5964-13	H-13 (0-6")	Total/NA	Solid	5035	
880-5964-14	H-14 (0-6")	Total/NA	Solid	5035	
MB 880-7800/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7800/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-7800/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5964-1 MS	H-1 (0-6")	Total/NA	Solid	5035	
880-5964-1 MSD	H-1 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 7814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-1	H-1 (0-6")	Total/NA	Solid	8021B	7800
880-5964-2	H-2 (0-6")	Total/NA	Solid	8021B	7800
880-5964-3	H-3 (0-6")	Total/NA	Solid	8021B	7800
880-5964-4	H-4 (0-6")	Total/NA	Solid	8021B	7800
880-5964-5	H-5 (0-6")	Total/NA	Solid	8021B	7800
880-5964-6	H-6 (0-6")	Total/NA	Solid	8021B	7800
880-5964-7	H-7 (0-6")	Total/NA	Solid	8021B	7800
880-5964-8	H-8 (0-6")	Total/NA	Solid	8021B	7800
880-5964-9	H-9 (0-6")	Total/NA	Solid	8021B	7800
880-5964-10	H-10 (0-6")	Total/NA	Solid	8021B	7800
880-5964-11	H-11 (0-6")	Total/NA	Solid	8021B	7800
880-5964-12	H-12 (0-6")	Total/NA	Solid	8021B	7800
880-5964-13	H-13 (0-6")	Total/NA	Solid	8021B	7800
880-5964-14	H-14 (0-6")	Total/NA	Solid	8021B	7800
MB 880-7798/5-A	Method Blank	Total/NA	Solid	8021B	7798
MB 880-7800/5-A	Method Blank	Total/NA	Solid	8021B	7800
LCS 880-7800/1-A	Lab Control Sample	Total/NA	Solid	8021B	7800
LCS 880-7800/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7800
880-5964-1 MS	H-1 (0-6")	Total/NA	Solid	8021B	7800
880-5964-1 MSD	H-1 (0-6")	Total/NA	Solid	8021B	7800

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QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

GC Semi VOA

Prep Batch: 7768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-4	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-5	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-6	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-7	H-7 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-8	H-8 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-9	H-9 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-10	H-10 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-11	H-11 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-12	H-12 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-13	H-13 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-14	H-14 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-7768/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7768/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7768/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5964-1 MS	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-5964-1 MSD	H-1 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 7792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-1	H-1 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-2	H-2 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-3	H-3 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-4	H-4 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-5	H-5 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-6	H-6 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-7	H-7 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-8	H-8 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-9	H-9 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-10	H-10 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-11	H-11 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-12	H-12 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-13	H-13 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-14	H-14 (0-6")	Total/NA	Solid	8015B NM	7768
MB 880-7768/1-A	Method Blank	Total/NA	Solid	8015B NM	7768
LCS 880-7768/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7768
LCSD 880-7768/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7768
880-5964-1 MS	H-1 (0-6")	Total/NA	Solid	8015B NM	7768
880-5964-1 MSD	H-1 (0-6")	Total/NA	Solid	8015B NM	7768

HPLC/IC

Leach Batch: 7762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-5964-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-5964-3	H-3 (0-6")	Soluble	Solid	DI Leach	
880-5964-4	H-4 (0-6")	Soluble	Solid	DI Leach	
880-5964-5	H-5 (0-6")	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

HPLC/IC (Continued)

Leach Batch: 7762 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-6	H-6 (0-6")	Soluble	Solid	DI Leach	
880-5964-7	H-7 (0-6")	Soluble	Solid	DI Leach	
880-5964-8	H-8 (0-6")	Soluble	Solid	DI Leach	
880-5964-9	H-9 (0-6")	Soluble	Solid	DI Leach	
880-5964-10	H-10 (0-6")	Soluble	Solid	DI Leach	
880-5964-11	H-11 (0-6")	Soluble	Solid	DI Leach	
880-5964-12	H-12 (0-6")	Soluble	Solid	DI Leach	
MB 880-7762/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7762/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7762/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5964-3 MS	H-3 (0-6")	Soluble	Solid	DI Leach	
880-5964-3 MSD	H-3 (0-6")	Soluble	Solid	DI Leach	

Leach Batch: 7766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-13	H-13 (0-6")	Soluble	Solid	DI Leach	
880-5964-14	H-14 (0-6")	Soluble	Solid	DI Leach	
MB 880-7766/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7766/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7766/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5964-13 MS	H-13 (0-6")	Soluble	Solid	DI Leach	
880-5964-13 MSD	H-13 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 7826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-1	H-1 (0-6")	Soluble	Solid	300.0	7762
880-5964-2	H-2 (0-6")	Soluble	Solid	300.0	7762
880-5964-3	H-3 (0-6")	Soluble	Solid	300.0	7762
880-5964-4	H-4 (0-6")	Soluble	Solid	300.0	7762
880-5964-5	H-5 (0-6")	Soluble	Solid	300.0	7762
880-5964-6	H-6 (0-6")	Soluble	Solid	300.0	7762
880-5964-7	H-7 (0-6")	Soluble	Solid	300.0	7762
880-5964-8	H-8 (0-6")	Soluble	Solid	300.0	7762
880-5964-9	H-9 (0-6")	Soluble	Solid	300.0	7762
880-5964-10	H-10 (0-6")	Soluble	Solid	300.0	7762
880-5964-11	H-11 (0-6")	Soluble	Solid	300.0	7762
880-5964-12	H-12 (0-6")	Soluble	Solid	300.0	7762
MB 880-7762/1-A	Method Blank	Soluble	Solid	300.0	7762
LCS 880-7762/2-A	Lab Control Sample	Soluble	Solid	300.0	7762
LCSD 880-7762/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7762
880-5964-3 MS	H-3 (0-6")	Soluble	Solid	300.0	7762
880-5964-3 MSD	H-3 (0-6")	Soluble	Solid	300.0	7762

Analysis Batch: 7828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-13	H-13 (0-6")	Soluble	Solid	300.0	7766
880-5964-14	H-14 (0-6")	Soluble	Solid	300.0	7766
MB 880-7766/1-A	Method Blank	Soluble	Solid	300.0	7766
LCS 880-7766/2-A	Lab Control Sample	Soluble	Solid	300.0	7766
LCSD 880-7766/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7766
880-5964-13 MS	H-13 (0-6")	Soluble	Solid	300.0	7766

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QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

HPLC/IC (Continued)

Analysis Batch: 7828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5964-13 MSD	H-13 (0-6")	Soluble	Solid	300.0	7766

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-5964-1

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 01:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 13:33	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 22:27	SC	XEN MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-5964-2

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 01:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 14:59	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 22:33	SC	XEN MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-5964-3

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 02:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 15:20	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 22:38	SC	XEN MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-5964-4

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 02:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 15:42	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 22:55	SC	XEN MID

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Lab Chronicle

Client: NT Global

Job ID: 880-5964-1

Project/Site: Diamondback 22 State 2H (8.3.21)

SDG: 214634

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-5964-5

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 02:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 16:03	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:01	SC	XEN MID

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-5964-6

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 03:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 16:25	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:18	SC	XEN MID

Client Sample ID: H-7 (0-6")

Lab Sample ID: 880-5964-7

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 03:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 16:46	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:23	SC	XEN MID

Client Sample ID: H-8 (0-6")

Lab Sample ID: 880-5964-8

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 03:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 17:08	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:29	SC	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Client Sample ID: H-9 (0-6")

Lab Sample ID: 880-5964-9

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 04:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 17:30	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:34	SC	XEN MID

Client Sample ID: H-10 (0-6")

Lab Sample ID: 880-5964-10

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 04:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 17:51	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:40	SC	XEN MID

Client Sample ID: H-11 (0-6")

Lab Sample ID: 880-5964-11

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 05:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 18:34	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:46	SC	XEN MID

Client Sample ID: H-12 (0-6")

Lab Sample ID: 880-5964-12

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 06:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 18:55	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7762	09/10/21 14:12	CH	XEN MID
Soluble	Analysis	300.0		1			7826	09/13/21 23:51	SC	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

Client Sample ID: H-13 (0-6")

Lab Sample ID: 880-5964-13

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 06:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 19:16	AM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	7766	09/10/21 14:22	CH	XEN MID
Soluble	Analysis	300.0		1			7828	09/13/21 18:48	CH	XEN MID

Client Sample ID: H-14 (0-6")

Lab Sample ID: 880-5964-14

Date Collected: 09/09/21 00:00

Matrix: Solid

Date Received: 09/10/21 11:31

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	7800	09/13/21 10:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7814	09/14/21 06:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7768	09/10/21 14:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7792	09/13/21 19:37	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7766	09/10/21 14:22	CH	XEN MID
Soluble	Analysis	300.0		1			7828	09/13/21 19:05	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: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

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

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Method Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
 SDG: 214634

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



Sample Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.3.21)

Job ID: 880-5964-1
SDG: 214634

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-5964-1	H-1 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-2	H-2 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-3	H-3 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-4	H-4 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-5	H-5 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-6	H-6 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-7	H-7 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-8	H-8 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-9	H-9 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-10	H-10 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-11	H-11 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-12	H-12 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-13	H-13 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"
880-5964-14	H-14 (0-6")	Solid	09/09/21 00:00	09/10/21 11:31	0 - 6"

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Chain of Custody



880-5964 Chain of Custody

r No: 5964

Page 1 of 2

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	432-813-0263	Email	jacqui.harris@conocophillips.com

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

Project Name	Project Number	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	72 hrs			
Diamondback 22 State 2H (8 30 21)	214634								
Project Location	Eddy Co, NM	Due Date	72 hrs						
Sampler's Name	NH / CRM	TAT starts the day received by the lab if received by 4:30pm							
PO #									
SAMPLE RECEIPT	Temp Blank	Yes	No	Thermometer ID	Yes	No	Wet Ice	Yes	No
Received Intact	Yes	No	NA	Correction Factor	Yes	No	Temperature Reading	3.6	
Cooler Custody Seals	Yes	No	NA	Temperature Reading	Yes	No	Corrected Temperature	4.1	
Sample Custody Seals	Yes	No	NA						
Total Containers									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0
H-1 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-2 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-3 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-4 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-5 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-6 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-7 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-8 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-9 (0-6")	9/9/2021	-	X		G	1	X	X	X
H-10 (0-6")	9/9/2021	-	X		G	1	X	X	X

Additional Comments:

Note: 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
<i>[Signature]</i>	<i>[Signature]</i>	9/10/21 1:31			



Chain of Custody

Work Order No: 5964

Page 2 of 2

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	432-813-0263	Email	jacqui.harris@conocophillips.com

Program: UST/PST	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RRC	<input type="checkbox"/> Superfund
State of Project:				
Reporting Level I	<input type="checkbox"/>	Level III	<input type="checkbox"/>	P-ST/UST
Level II	<input type="checkbox"/>	Level IV	<input type="checkbox"/>	RRP
Deliverables EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other

Project Name	Project Number	Project Location	Sampler's Name	PO #	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	
Diamondback 22 State 2H (8 30 21)	214634	Eddy Co. NM	NH/CRM		<input type="checkbox"/> Wet Ice	72 hrs					
SAMPLE RECEIPT Received Intact: Yes/No (Yes/No) Thermometer ID: 128 Cooler Custody Seals: Yes/No (N/A) Correction Factor: 10.5 Sample Custody Seals: Yes/No (N/A) Temperature Reading: 3.4 Total Containers: 4											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments				
H-11 (0-6")	9/9/2021	-	X		G	1	X	X	X		
H-12 (0-6")	9/9/2021	-	X		G	1	X	X	X		
H-13 (0-6")	9/9/2021	-	X		G	1	X	X	X		
H-14 (0-6")	9/9/2021	-	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 \$65.00 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
<i>[Signature]</i>	<i>[Signature]</i>	9/10/21 11:31			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-5964-1

SDG Number: 214634

Login Number: 5964

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: 880-6454-1
Laboratory Sample Delivery Group: Eddy Co.,NM
Client Project/Site: Diamondback 22 State 2H (8.30.21)

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

Authorized for release by:
9/29/2021 7:53:25 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.

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Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Laboratory Job ID: 880-6454-1
SDG: Eddy Co.,NM

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Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD 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.

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)

Eurofins Xenco, Midland

Definitions/Glossary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
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Case Narrative

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Job ID: 880-6454-1

Laboratory: Eurofins Xenco, Midland**Narrative****Job Narrative
880-6454-1****Receipt**

The samples were received on 9/24/2021 1:42 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 4.3°C

GC VOA

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-8464 and analytical batch 880-8460 recovered outside control limits for the following analytes: Toluene

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8464 and analytical batch 880-8460 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: T-4 (0-1') (880-6454-16), T-4 (1') (880-6454-17), T-4 (2') (880-6454-18), T-4 (3') (880-6454-19), T-4 (4') (880-6454-20), (MB 880-8460/8) and (MB 880-8464/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8465 and analytical batch 880-8502 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: T-4 (8') (880-6454-24), T-4 (9') (880-6454-25), T-4 (11') (880-6454-27), T-5 (0-1') (880-6454-28) and T-5 (5') (880-6454-33). 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.

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-8378 and analytical batch 880-8409 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-8384 and analytical batch 880-8411 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28) and Gasoline Range Organics (GRO)-C6-C10.

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
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

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

Lab Sample ID: 880-6454-1

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		09/27/21 13:55	09/28/21 08:25	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		09/27/21 13:55	09/28/21 08:25	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		09/27/21 13:55	09/28/21 08:25	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399		mg/Kg		09/27/21 13:55	09/28/21 08:25	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		09/27/21 13:55	09/28/21 08:25	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		09/27/21 13:55	09/28/21 08:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/27/21 13:55	09/28/21 08:25	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/27/21 13:55	09/28/21 08:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 15:30	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 13:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 13:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	09/24/21 15:12	09/25/21 13:15	1
o-Terphenyl	140	S1+	70 - 130	09/24/21 15:12	09/25/21 13:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.8		5.02		mg/Kg			09/28/21 22:33	1

Client Sample ID: T-1 (1')

Lab Sample ID: 880-6454-2

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 08:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 08:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 08:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/21 13:55	09/28/21 08:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 08:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/21 13:55	09/28/21 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	09/27/21 13:55	09/28/21 08:52	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/27/21 13:55	09/28/21 08:52	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-1 (1')

Lab Sample ID: 880-6454-2

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 15:30	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 14:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 14:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	09/24/21 15:12	09/25/21 14:18	1
o-Terphenyl	139	S1+	70 - 130	09/24/21 15:12	09/25/21 14:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.4		5.02		mg/Kg			09/28/21 22:39	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-6454-3

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 09:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 09:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 09:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/21 13:55	09/28/21 09:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 09:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/21 13:55	09/28/21 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	09/27/21 13:55	09/28/21 09:19	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/27/21 13:55	09/28/21 09:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 15:30	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 14:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 14:39	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-6454-3

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:12	09/25/21 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				09/24/21 15:12	09/25/21 14:39	1
o-Terphenyl	144	S1+	70 - 130				09/24/21 15:12	09/25/21 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		4.98		mg/Kg			09/28/21 22:44	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-6454-4

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 09:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:55	09/28/21 09:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:55	09/28/21 09:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/27/21 13:55	09/28/21 09:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:55	09/28/21 09:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/27/21 13:55	09/28/21 09:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/27/21 13:55	09/28/21 09:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/27/21 13:55	09/28/21 09:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/24/21 15:12	09/25/21 15:00	1
o-Terphenyl	130		70 - 130				09/24/21 15:12	09/25/21 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	441		5.00		mg/Kg			09/28/21 23:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-6454-5

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 10:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 10:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 10:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/27/21 13:55	09/28/21 10:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 10:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/27/21 13:55	09/28/21 10:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	09/27/21 13:55	09/28/21 10:12	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/27/21 13:55	09/28/21 10:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 15:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 15:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	09/24/21 15:12	09/25/21 15:22	1
o-Terphenyl	143	S1+	70 - 130	09/24/21 15:12	09/25/21 15:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.2		4.95		mg/Kg			09/28/21 23:07	1

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

Lab Sample ID: 880-6454-6

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 10:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 10:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 10:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/21 13:55	09/28/21 10:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 10:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/21 13:55	09/28/21 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/27/21 13:55	09/28/21 10:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/27/21 13:55	09/28/21 10:39	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: 880-6454-6

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 15:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	09/24/21 15:12	09/25/21 15:44	1
o-Terphenyl	143	S1+	70 - 130	09/24/21 15:12	09/25/21 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		24.8		mg/Kg			09/28/21 23:23	5

Client Sample ID: T-2 (1')

Lab Sample ID: 880-6454-7

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 11:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/21 13:55	09/28/21 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 11:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/21 13:55	09/28/21 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	09/27/21 13:55	09/28/21 11:05	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/27/21 13:55	09/28/21 11:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 16:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 16:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-2 (1')

Lab Sample ID: 880-6454-7

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:12	09/25/21 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/24/21 15:12	09/25/21 16:07	1
o-Terphenyl	129		70 - 130				09/24/21 15:12	09/25/21 16:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.05		mg/Kg			09/28/21 23:29	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-6454-8

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 11:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 11:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 11:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/21 13:55	09/28/21 11:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:55	09/28/21 11:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/21 13:55	09/28/21 11:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				09/27/21 13:55	09/28/21 11:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/27/21 13:55	09/28/21 11:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 16:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 16:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				09/24/21 15:12	09/25/21 16:29	1
o-Terphenyl	140	S1+	70 - 130				09/24/21 15:12	09/25/21 16:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		25.2		mg/Kg			09/28/21 23:35	5

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-6454-9

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 11:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/21 13:55	09/28/21 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 11:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/21 13:55	09/28/21 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/27/21 13:55	09/28/21 11:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/27/21 13:55	09/28/21 11:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 16:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 16:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/24/21 15:12	09/25/21 16:51	1
o-Terphenyl	122		70 - 130	09/24/21 15:12	09/25/21 16:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		4.98		mg/Kg			09/28/21 23:40	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-6454-10

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 12:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 12:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 12:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/27/21 13:55	09/28/21 12:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 12:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/27/21 13:55	09/28/21 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/27/21 13:55	09/28/21 12:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/27/21 13:55	09/28/21 12:25	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-6454-10

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/24/21 15:12	09/25/21 17:14	1
o-Terphenyl	128		70 - 130				09/24/21 15:12	09/25/21 17:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		4.95		mg/Kg			09/28/21 23:46	1

Client Sample ID: T-2 (5')

Lab Sample ID: 880-6454-11

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 15:41	1
Toluene	<0.00201	U *1	0.00201		mg/Kg		09/27/21 13:55	09/28/21 15:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 15:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/27/21 13:55	09/28/21 15:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:55	09/28/21 15:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/27/21 13:55	09/28/21 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				09/27/21 13:55	09/28/21 15:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130				09/27/21 13:55	09/28/21 15:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/24/21 15:12	09/25/21 17:59	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-2 (5')

Lab Sample ID: 880-6454-11

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:12	09/25/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/24/21 15:12	09/25/21 17:59	1
o-Terphenyl	135	S1+	70 - 130				09/24/21 15:12	09/25/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.99		mg/Kg			09/28/21 23:51	1

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

Lab Sample ID: 880-6454-12

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 16:07	1
Toluene	0.00588	*1	0.00202		mg/Kg		09/27/21 13:55	09/28/21 16:07	1
Ethylbenzene	0.0232		0.00202		mg/Kg		09/27/21 13:55	09/28/21 16:07	1
m-Xylene & p-Xylene	0.0818		0.00404		mg/Kg		09/27/21 13:55	09/28/21 16:07	1
o-Xylene	0.116		0.00202		mg/Kg		09/27/21 13:55	09/28/21 16:07	1
Xylenes, Total	0.198		0.00404		mg/Kg		09/27/21 13:55	09/28/21 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	256	S1+	70 - 130				09/27/21 13:55	09/28/21 16:07	1
1,4-Difluorobenzene (Surr)	76		70 - 130				09/27/21 13:55	09/28/21 16:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.227		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5660		50.0		mg/Kg			09/29/21 16:30	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		09/24/21 15:12	09/25/21 18:21	1
Diesel Range Organics (Over C10-C28)	5030		49.9		mg/Kg		09/24/21 15:12	09/25/21 18:21	1
Oil Range Organics (Over C28-C36)	626		49.9		mg/Kg		09/24/21 15:12	09/25/21 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				09/24/21 15:12	09/25/21 18:21	1
o-Terphenyl	129		70 - 130				09/24/21 15:12	09/25/21 18:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3300		49.9		mg/Kg			09/28/21 23:57	10

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-3 (1')

Lab Sample ID: 880-6454-13

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 16:34	1
Toluene	<0.00202	U *1	0.00202		mg/Kg		09/27/21 13:55	09/28/21 16:34	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:55	09/28/21 16:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/27/21 13:55	09/28/21 16:34	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:55	09/28/21 16:34	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/27/21 13:55	09/28/21 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	09/27/21 13:55	09/28/21 16:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/27/21 13:55	09/28/21 16:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	237		50.0		mg/Kg			09/29/21 16:30	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		09/24/21 15:12	09/25/21 18:43	1
Diesel Range Organics (Over C10-C28)	161		49.9		mg/Kg		09/24/21 15:12	09/25/21 18:43	1
Oil Range Organics (Over C28-C36)	75.8		49.9		mg/Kg		09/24/21 15:12	09/25/21 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	09/24/21 15:12	09/25/21 18:43	1
o-Terphenyl	135	S1+	70 - 130	09/24/21 15:12	09/25/21 18:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		5.00		mg/Kg			09/29/21 00:42	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-6454-14

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 17:00	1
Toluene	<0.00200	U *1	0.00200		mg/Kg		09/27/21 13:55	09/28/21 17:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 17:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/21 13:55	09/28/21 17:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 17:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/21 13:55	09/28/21 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	09/27/21 13:55	09/28/21 17:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/27/21 13:55	09/28/21 17:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-6454-14

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 19:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:12	09/25/21 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	09/24/21 15:12	09/25/21 19:06	1
o-Terphenyl	128		70 - 130	09/24/21 15:12	09/25/21 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		4.98		mg/Kg			09/29/21 00:59	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-6454-15

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:55	09/28/21 17:26	1
Toluene	<0.00200	U *1	0.00200		mg/Kg		09/27/21 13:55	09/28/21 17:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 17:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/21 13:55	09/28/21 17:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 17:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/21 13:55	09/28/21 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/27/21 13:55	09/28/21 17:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/27/21 13:55	09/28/21 17:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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		09/24/21 15:12	09/25/21 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 19:28	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-3 (3')

Lab Sample ID: 880-6454-15

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:12	09/25/21 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				09/24/21 15:12	09/25/21 19:28	1
o-Terphenyl	135	S1+	70 - 130				09/24/21 15:12	09/25/21 19:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.6		4.96		mg/Kg			09/29/21 01:04	1

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

Lab Sample ID: 880-6454-16

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		09/27/21 13:55	09/28/21 17:53	20
Toluene	<0.0398	U *1	0.0398		mg/Kg		09/27/21 13:55	09/28/21 17:53	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		09/27/21 13:55	09/28/21 17:53	20
m-Xylene & p-Xylene	2.85		0.0795		mg/Kg		09/27/21 13:55	09/28/21 17:53	20
o-Xylene	0.711		0.0398		mg/Kg		09/27/21 13:55	09/28/21 17:53	20
Xylenes, Total	3.56		0.0795		mg/Kg		09/27/21 13:55	09/28/21 17:53	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				09/27/21 13:55	09/28/21 17:53	20
1,4-Difluorobenzene (Surr)	73		70 - 130				09/27/21 13:55	09/28/21 17:53	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.56		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2990		50.0		mg/Kg			09/29/21 16:30	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		09/24/21 15:12	09/25/21 19:51	1
Diesel Range Organics (Over C10-C28)	2730		50.0		mg/Kg		09/24/21 15:12	09/25/21 19:51	1
Oil Range Organics (Over C28-C36)	264		50.0		mg/Kg		09/24/21 15:12	09/25/21 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/24/21 15:12	09/25/21 19:51	1
o-Terphenyl	137	S1+	70 - 130				09/24/21 15:12	09/25/21 19:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1840		49.7		mg/Kg			09/29/21 01:10	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (1')

Lab Sample ID: 880-6454-17

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.342		0.0400		mg/Kg		09/27/21 13:55	09/28/21 18:19	20
Toluene	0.223	*1	0.0400		mg/Kg		09/27/21 13:55	09/28/21 18:19	20
Ethylbenzene	0.104		0.0400		mg/Kg		09/27/21 13:55	09/28/21 18:19	20
m-Xylene & p-Xylene	10.7		0.402		mg/Kg		09/29/21 13:00	09/29/21 15:28	100
o-Xylene	3.90		0.0400		mg/Kg		09/27/21 13:55	09/28/21 18:19	20
Xylenes, Total	13.6		0.402		mg/Kg		09/29/21 13:00	09/29/21 15:28	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	280	S1+	70 - 130	09/27/21 13:55	09/28/21 18:19	20
1,4-Difluorobenzene (Surr)	73		70 - 130	09/27/21 13:55	09/28/21 18:19	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	15.3		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6510		50.0		mg/Kg			09/29/21 16:30	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	126	*-	49.8		mg/Kg		09/24/21 15:12	09/25/21 20:13	1
Diesel Range Organics (Over C10-C28)	5800		49.8		mg/Kg		09/24/21 15:12	09/25/21 20:13	1
Oil Range Organics (Over C28-C36)	586		49.8		mg/Kg		09/24/21 15:12	09/25/21 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	09/24/21 15:12	09/25/21 20:13	1
o-Terphenyl	131	S1+	70 - 130	09/24/21 15:12	09/25/21 20:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6880		49.5		mg/Kg			09/29/21 01:16	10

Client Sample ID: T-4 (2')

Lab Sample ID: 880-6454-18

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.245		0.0403		mg/Kg		09/27/21 13:55	09/28/21 18:46	20
Toluene	0.0835	*1	0.0403		mg/Kg		09/27/21 13:55	09/28/21 18:46	20
Ethylbenzene	0.0586		0.0403		mg/Kg		09/27/21 13:55	09/28/21 18:46	20
m-Xylene & p-Xylene	10.4		0.0806		mg/Kg		09/27/21 13:55	09/28/21 18:46	20
o-Xylene	2.31		0.0403		mg/Kg		09/27/21 13:55	09/28/21 18:46	20
Xylenes, Total	12.7		0.0806		mg/Kg		09/27/21 13:55	09/28/21 18:46	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	292	S1+	70 - 130	09/27/21 13:55	09/28/21 18:46	20
1,4-Difluorobenzene (Surr)	76		70 - 130	09/27/21 13:55	09/28/21 18:46	20

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-6454-18

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.1		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5920		50.0		mg/Kg			09/29/21 16:30	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	206	*-	50.0		mg/Kg		09/24/21 15:12	09/25/21 20:36	1
Diesel Range Organics (Over C10-C28)	5190		50.0		mg/Kg		09/24/21 15:12	09/25/21 20:36	1
Oil Range Organics (Over C28-C36)	526		50.0		mg/Kg		09/24/21 15:12	09/25/21 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130	09/24/21 15:12	09/25/21 20:36	1
o-Terphenyl	133	S1+	70 - 130	09/24/21 15:12	09/25/21 20:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7200		49.5		mg/Kg			09/29/21 01:33	10

Client Sample ID: T-4 (3')

Lab Sample ID: 880-6454-19

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.405		0.0401		mg/Kg		09/27/21 13:55	09/28/21 19:13	20
Toluene	0.0930	*1	0.0401		mg/Kg		09/27/21 13:55	09/28/21 19:13	20
Ethylbenzene	0.0577		0.0401		mg/Kg		09/27/21 13:55	09/28/21 19:13	20
m-Xylene & p-Xylene	11.2		0.0802		mg/Kg		09/27/21 13:55	09/28/21 19:13	20
o-Xylene	2.43		0.0401		mg/Kg		09/27/21 13:55	09/28/21 19:13	20
Xylenes, Total	13.6		0.0802		mg/Kg		09/27/21 13:55	09/28/21 19:13	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	308	S1+	70 - 130	09/27/21 13:55	09/28/21 19:13	20
1,4-Difluorobenzene (Surr)	78		70 - 130	09/27/21 13:55	09/28/21 19:13	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	14.2		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3510		50.0		mg/Kg			09/29/21 16:30	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	204	*-	49.8		mg/Kg		09/24/21 15:12	09/25/21 20:58	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-6454-19

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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)	2980		49.8		mg/Kg		09/24/21 15:12	09/25/21 20:58	1
Oil Range Organics (Over C28-C36)	327		49.8		mg/Kg		09/24/21 15:12	09/25/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				09/24/21 15:12	09/25/21 20:58	1
o-Terphenyl	129		70 - 130				09/24/21 15:12	09/25/21 20:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2980		50.1		mg/Kg			09/29/21 01:38	10

Client Sample ID: T-4 (4')

Lab Sample ID: 880-6454-20

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.290		0.0402		mg/Kg		09/27/21 13:55	09/28/21 19:39	20
Toluene	0.101	*1	0.0402		mg/Kg		09/27/21 13:55	09/28/21 19:39	20
Ethylbenzene	0.0549		0.0402		mg/Kg		09/27/21 13:55	09/28/21 19:39	20
m-Xylene & p-Xylene	9.37		0.0803		mg/Kg		09/27/21 13:55	09/28/21 19:39	20
o-Xylene	1.90		0.0402		mg/Kg		09/27/21 13:55	09/28/21 19:39	20
Xylenes, Total	11.3		0.0803		mg/Kg		09/27/21 13:55	09/28/21 19:39	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	272	S1+	70 - 130				09/27/21 13:55	09/28/21 19:39	20
1,4-Difluorobenzene (Surr)	75		70 - 130				09/27/21 13:55	09/28/21 19:39	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	11.7		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4250		50.0		mg/Kg			09/29/21 16:30	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	286	*-	50.0		mg/Kg		09/24/21 15:12	09/25/21 21:21	1
Diesel Range Organics (Over C10-C28)	3580		50.0		mg/Kg		09/24/21 15:12	09/25/21 21:21	1
Oil Range Organics (Over C28-C36)	379		50.0		mg/Kg		09/24/21 15:12	09/25/21 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/24/21 15:12	09/25/21 21:21	1
o-Terphenyl	120		70 - 130				09/24/21 15:12	09/25/21 21:21	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-6454-20

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7390		49.8		mg/Kg			09/29/21 01:44	10

Client Sample ID: T-4 (5')

Lab Sample ID: 880-6454-21

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		09/27/21 13:58	09/28/21 13:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 13:45	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		09/27/21 13:58	09/28/21 13:45	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		09/27/21 13:58	09/28/21 13:45	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		09/27/21 13:58	09/28/21 13:45	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		09/27/21 13:58	09/28/21 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	09/27/21 13:58	09/28/21 13:45	1
1,4-Difluorobenzene (Surr)	114		70 - 130	09/27/21 13:58	09/28/21 13:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	340		50.0		mg/Kg			09/29/21 16:30	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 *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 13:15	1
Diesel Range Organics (Over C10-C28)	340	*1	49.8		mg/Kg		09/24/21 15:27	09/25/21 13:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:27	09/25/21 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	09/24/21 15:27	09/25/21 13:15	1
o-Terphenyl	130		70 - 130	09/24/21 15:27	09/25/21 13:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8100		50.5		mg/Kg			09/29/21 01:49	10

Client Sample ID: T-4 (6')

Lab Sample ID: 880-6454-22

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 14:06	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (6')

Lab Sample ID: 880-6454-22

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 14:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				09/27/21 13:58	09/28/21 14:06	1
1,4-Difluorobenzene (Surr)	91		70 - 130				09/27/21 13:58	09/28/21 14:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	874		50.0		mg/Kg			09/29/21 16:30	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	125	*1	50.0		mg/Kg		09/24/21 15:27	09/25/21 14:18	1
Diesel Range Organics (Over C10-C28)	749	*1	50.0		mg/Kg		09/24/21 15:27	09/25/21 14:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				09/24/21 15:27	09/25/21 14:18	1
o-Terphenyl	131	S1+	70 - 130				09/24/21 15:27	09/25/21 14:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8030		49.8		mg/Kg			09/29/21 01:55	10

Client Sample ID: T-4 (7')

Lab Sample ID: 880-6454-23

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 14:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:58	09/28/21 14:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:58	09/28/21 14:27	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/27/21 13:58	09/28/21 14:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:58	09/28/21 14:27	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/27/21 13:58	09/28/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/27/21 13:58	09/28/21 14:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/27/21 13:58	09/28/21 14:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (7')

Lab Sample ID: 880-6454-23

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 14:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 14:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:27	09/25/21 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/24/21 15:27	09/25/21 14:39	1
o-Terphenyl	137	S1+	70 - 130				09/24/21 15:27	09/25/21 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4880		50.0		mg/Kg			09/29/21 02:01	10

Client Sample ID: T-4 (8')

Lab Sample ID: 880-6454-24

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 14:48	1
Toluene	0.00245		0.00201		mg/Kg		09/27/21 13:58	09/28/21 14:48	1
Ethylbenzene	0.00719		0.00201		mg/Kg		09/27/21 13:58	09/28/21 14:48	1
m-Xylene & p-Xylene	0.151		0.00402		mg/Kg		09/27/21 13:58	09/28/21 14:48	1
o-Xylene	0.0459		0.00201		mg/Kg		09/27/21 13:58	09/28/21 14:48	1
Xylenes, Total	0.197		0.00402		mg/Kg		09/27/21 13:58	09/28/21 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130				09/27/21 13:58	09/28/21 14:48	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/27/21 13:58	09/28/21 14:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.207		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	742		50.0		mg/Kg			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 15:00	1
Diesel Range Organics (Over C10-C28)	742	*1	49.9		mg/Kg		09/24/21 15:27	09/25/21 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:27	09/25/21 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				09/24/21 15:27	09/25/21 15:00	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (8')

Lab Sample ID: 880-6454-24

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	140	S1+	70 - 130	09/24/21 15:27	09/25/21 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9450		99.4		mg/Kg			09/29/21 02:17	20

Client Sample ID: T-4 (9')

Lab Sample ID: 880-6454-25

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00213		0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:09	1
Ethylbenzene	0.00825		0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:09	1
<i>m</i> -Xylene & <i>p</i> -Xylene	0.0232		0.00401		mg/Kg		09/27/21 13:58	09/28/21 15:09	1
<i>o</i> -Xylene	0.0104		0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:09	1
Xylenes, Total	0.0336		0.00401		mg/Kg		09/27/21 13:58	09/28/21 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	09/27/21 13:58	09/28/21 15:09	1
1,4-Difluorobenzene (Surr)	111		70 - 130	09/27/21 13:58	09/28/21 15:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0440		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	718		50.0		mg/Kg			09/29/21 16:30	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 *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 15:22	1
Diesel Range Organics (Over C10-C28)	718	*1	49.8		mg/Kg		09/24/21 15:27	09/25/21 15:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:27	09/25/21 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	09/24/21 15:27	09/25/21 15:22	1
<i>o</i> -Terphenyl	139	S1+	70 - 130	09/24/21 15:27	09/25/21 15:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6510		100		mg/Kg			09/29/21 02:23	20

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (10')

Lab Sample ID: 880-6454-26

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 15:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 15:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 15:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/21 13:58	09/28/21 15:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 15:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/21 13:58	09/28/21 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	09/27/21 13:58	09/28/21 15:29	1
1,4-Difluorobenzene (Surr)	80		70 - 130	09/27/21 13:58	09/28/21 15:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3610		50.0		mg/Kg			09/29/21 16:30	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 *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 15:44	1
Diesel Range Organics (Over C10-C28)	3610	*1	50.0		mg/Kg		09/24/21 15:27	09/25/21 15:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	09/24/21 15:27	09/25/21 15:44	1
o-Terphenyl	132	S1+	70 - 130	09/24/21 15:27	09/25/21 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3300		50.5		mg/Kg			09/29/21 02:40	10

Client Sample ID: T-4 (11')

Lab Sample ID: 880-6454-27

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00493		0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:50	1
Ethylbenzene	0.0161		0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:50	1
m-Xylene & p-Xylene	0.0788		0.00399		mg/Kg		09/27/21 13:58	09/28/21 15:50	1
o-Xylene	0.0304		0.00200		mg/Kg		09/27/21 13:58	09/28/21 15:50	1
Xylenes, Total	0.109		0.00399		mg/Kg		09/27/21 13:58	09/28/21 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	09/27/21 13:58	09/28/21 15:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130	09/27/21 13:58	09/28/21 15:50	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (11')

Lab Sample ID: 880-6454-27

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.130		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2890		50.0		mg/Kg			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 16:07	1
Diesel Range Organics (Over C10-C28)	2890	*1	49.9		mg/Kg		09/24/21 15:27	09/25/21 16:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:27	09/25/21 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				09/24/21 15:27	09/25/21 16:07	1
o-Terphenyl	115		70 - 130				09/24/21 15:27	09/25/21 16:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2930		49.8		mg/Kg			09/29/21 02:46	10

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-6454-28

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 16:11	1
Toluene	0.00227		0.00200		mg/Kg		09/27/21 13:58	09/28/21 16:11	1
Ethylbenzene	0.00664		0.00200		mg/Kg		09/27/21 13:58	09/28/21 16:11	1
m-Xylene & p-Xylene	0.0360		0.00400		mg/Kg		09/27/21 13:58	09/28/21 16:11	1
o-Xylene	0.0110		0.00200		mg/Kg		09/27/21 13:58	09/28/21 16:11	1
Xylenes, Total	0.0470		0.00400		mg/Kg		09/27/21 13:58	09/28/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	09/27/21 13:58	09/28/21 16:11	1
1,4-Difluorobenzene (Surr)	85		70 - 130	09/27/21 13:58	09/28/21 16:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0559		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	424		50.0		mg/Kg			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 16:29	1
Diesel Range Organics (Over C10-C28)	424	*1	49.9		mg/Kg		09/24/21 15:27	09/25/21 16:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-6454-28

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:27	09/25/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/24/21 15:27	09/25/21 16:29	1
o-Terphenyl	122		70 - 130				09/24/21 15:27	09/25/21 16:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8270		49.5		mg/Kg			09/29/21 02:51	10

Client Sample ID: T-5 (1')

Lab Sample ID: 880-6454-29

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00729		0.00201		mg/Kg		09/27/21 13:58	09/28/21 16:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 16:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 16:32	1
m-Xylene & p-Xylene	0.134		0.00402		mg/Kg		09/27/21 13:58	09/28/21 16:32	1
o-Xylene	0.0347		0.00201		mg/Kg		09/27/21 13:58	09/28/21 16:32	1
Xylenes, Total	0.169		0.00402		mg/Kg		09/27/21 13:58	09/28/21 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				09/27/21 13:58	09/28/21 16:32	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/27/21 13:58	09/28/21 16:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.176		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	718		50.0		mg/Kg			09/29/21 16:30	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	123	*1	49.8		mg/Kg		09/24/21 15:27	09/25/21 16:51	1
Diesel Range Organics (Over C10-C28)	595	*1	49.8		mg/Kg		09/24/21 15:27	09/25/21 16:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:27	09/25/21 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/24/21 15:27	09/25/21 16:51	1
o-Terphenyl	112		70 - 130				09/24/21 15:27	09/25/21 16:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8720		49.5		mg/Kg			09/29/21 02:57	10

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-6454-30

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00568		0.00199		mg/Kg		09/27/21 13:58	09/28/21 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 16:52	1
m-Xylene & p-Xylene	0.00480		0.00398		mg/Kg		09/27/21 13:58	09/28/21 16:52	1
o-Xylene	0.00293		0.00199		mg/Kg		09/27/21 13:58	09/28/21 16:52	1
Xylenes, Total	0.00773		0.00398		mg/Kg		09/27/21 13:58	09/28/21 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	09/27/21 13:58	09/28/21 16:52	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/27/21 13:58	09/28/21 16:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0134		0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	09/24/21 15:27	09/25/21 17:14	1
o-Terphenyl	97		70 - 130	09/24/21 15:27	09/25/21 17:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6770		101		mg/Kg			09/29/21 03:02	20

Client Sample ID: T-5 (3')

Lab Sample ID: 880-6454-31

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 18:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 18:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 18:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 18:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 18:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	09/27/21 13:58	09/28/21 18:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/27/21 13:58	09/28/21 18:15	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-6454-31

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:27	09/25/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				09/24/21 15:27	09/25/21 17:59	1
o-Terphenyl	83		70 - 130				09/24/21 15:27	09/25/21 17:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		4.97		mg/Kg			09/29/21 03:08	1

Client Sample ID: T-5 (4')

Lab Sample ID: 880-6454-32

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 18:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 18:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 18:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/21 13:58	09/28/21 18:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 18:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/21 13:58	09/28/21 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/27/21 13:58	09/28/21 18:36	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/27/21 13:58	09/28/21 18:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 18:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 18:21	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-5 (4')

Lab Sample ID: 880-6454-32

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:27	09/25/21 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/24/21 15:27	09/25/21 18:21	1
o-Terphenyl	106		70 - 130				09/24/21 15:27	09/25/21 18:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		4.99		mg/Kg			09/29/21 03:14	1

Client Sample ID: T-5 (5')

Lab Sample ID: 880-6454-33

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00417		0.00202		mg/Kg		09/27/21 13:58	09/28/21 18:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:58	09/28/21 18:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/27/21 13:58	09/28/21 18:57	1
m-Xylene & p-Xylene	0.0158		0.00403		mg/Kg		09/27/21 13:58	09/28/21 18:57	1
o-Xylene	0.00719		0.00202		mg/Kg		09/27/21 13:58	09/28/21 18:57	1
Xylenes, Total	0.0230		0.00403		mg/Kg		09/27/21 13:58	09/28/21 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/27/21 13:58	09/28/21 18:57	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/27/21 13:58	09/28/21 18:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0272		0.00200		mg/Kg			09/29/21 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	308		50.0		mg/Kg			09/29/21 16:30	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 *1	49.9		mg/Kg		09/24/21 15:27	09/25/21 18:43	1
Diesel Range Organics (Over C10-C28)	308	*1	49.9		mg/Kg		09/24/21 15:27	09/25/21 18:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/24/21 15:27	09/25/21 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/24/21 15:27	09/25/21 18:43	1
o-Terphenyl	96		70 - 130				09/24/21 15:27	09/25/21 18:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7750		50.0		mg/Kg			09/28/21 06:13	10

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-6454-34

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 19:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 19:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 19:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/27/21 13:58	09/28/21 19:18	1
o-Xylene	0.00223		0.00201		mg/Kg		09/27/21 13:58	09/28/21 19:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/27/21 13:58	09/28/21 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	09/27/21 13:58	09/28/21 19:18	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/27/21 13:58	09/28/21 19:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00223		0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 19:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:27	09/25/21 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	09/24/21 15:27	09/25/21 19:06	1
o-Terphenyl	89		70 - 130	09/24/21 15:27	09/25/21 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.4		4.97		mg/Kg			09/28/21 06:18	1

Client Sample ID: T-6 (1')

Lab Sample ID: 880-6454-35

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 19:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 19:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 19:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/21 13:58	09/28/21 19:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 19:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/21 13:58	09/28/21 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	09/27/21 13:58	09/28/21 19:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/27/21 13:58	09/28/21 19:39	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-6 (1')

Lab Sample ID: 880-6454-35

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				09/24/21 15:27	09/25/21 19:28	1
o-Terphenyl	92		70 - 130				09/24/21 15:27	09/25/21 19:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			09/27/21 19:12	1

Client Sample ID: T-6 (2')

Lab Sample ID: 880-6454-36

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 19:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 19:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 19:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 19:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 19:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/27/21 13:58	09/28/21 19:59	1
1,4-Difluorobenzene (Surr)	78		70 - 130				09/27/21 13:58	09/28/21 19:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 19:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 19:51	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-6454-36

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:27	09/25/21 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				09/24/21 15:27	09/25/21 19:51	1
o-Terphenyl	104		70 - 130				09/24/21 15:27	09/25/21 19:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		5.04		mg/Kg			09/27/21 19:30	1

Client Sample ID: T-6 (3')

Lab Sample ID: 880-6454-37

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 20:20	1
Toluene	0.00218		0.00200		mg/Kg		09/27/21 13:58	09/28/21 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 20:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/21 13:58	09/28/21 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 20:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/21 13:58	09/28/21 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				09/27/21 13:58	09/28/21 20:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/27/21 13:58	09/28/21 20:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00218		0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 20:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 20:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:27	09/25/21 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/24/21 15:27	09/25/21 20:13	1
o-Terphenyl	86		70 - 130				09/24/21 15:27	09/25/21 20:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			09/27/21 19:36	1

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Client Sample Results

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-6 (4')

Lab Sample ID: 880-6454-38

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 20:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 20:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 20:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/27/21 13:58	09/28/21 20:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/27/21 13:58	09/28/21 20:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/27/21 13:58	09/28/21 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	09/27/21 13:58	09/28/21 20:41	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/27/21 13:58	09/28/21 20:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 20:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 20:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130	09/24/21 15:27	09/25/21 20:36	1
o-Terphenyl	65	S1-	70 - 130	09/24/21 15:27	09/25/21 20:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		4.95		mg/Kg			09/28/21 11:07	1

Client Sample ID: T-6 (5')

Lab Sample ID: 880-6454-39

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 21:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 21:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 21:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 21:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 21:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/21 13:58	09/28/21 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	09/27/21 13:58	09/28/21 21:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/27/21 13:58	09/28/21 21:02	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-6 (5')

Lab Sample ID: 880-6454-39

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 20:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		09/24/21 15:27	09/25/21 20:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/24/21 15:27	09/25/21 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	09/24/21 15:27	09/25/21 20:58	1
o-Terphenyl	80		70 - 130	09/24/21 15:27	09/25/21 20:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.25		4.99		mg/Kg			09/28/21 11:13	1

Client Sample ID: T-6 (6')

Lab Sample ID: 880-6454-40

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/27/21 13:58	09/28/21 21:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 21:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 21:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/21 13:58	09/28/21 21:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/21 13:58	09/28/21 21:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/21 13:58	09/28/21 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	09/27/21 13:58	09/28/21 21:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/27/21 13:58	09/28/21 21:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			09/29/21 20:41	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			09/29/21 16:30	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 *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		09/24/21 15:27	09/25/21 21:21	1

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Client Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-6 (6')

Lab Sample ID: 880-6454-40

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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		09/24/21 15:27	09/25/21 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/24/21 15:27	09/25/21 21:21	1
o-Terphenyl	98		70 - 130	09/24/21 15:27	09/25/21 21:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.95		5.00		mg/Kg			09/28/21 11:19	1

Surrogate Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-6451-A-1-D MS	Matrix Spike	100	107
880-6451-A-1-E MSD	Matrix Spike Duplicate	106	65 S1-
880-6454-1	T-1 (0-1')	115	98
880-6454-1 MS	T-1 (0-1')	87	106
880-6454-1 MSD	T-1 (0-1')	81	98
880-6454-2	T-1 (1')	116	106
880-6454-3	T-1 (2')	118	104
880-6454-4	T-1 (3')	110	101
880-6454-5	T-1 (4')	118	104
880-6454-6	T-2 (0-1')	115	103
880-6454-7	T-2 (1')	90	82
880-6454-8	T-2 (2')	116	103
880-6454-9	T-2 (3')	107	100
880-6454-10	T-2 (4')	108	101
880-6454-11	T-2 (5')	117	93
880-6454-12	T-3 (0-1')	256 S1+	76
880-6454-13	T-3 (1')	126	95
880-6454-14	T-3 (2')	101	90
880-6454-15	T-3 (3')	98	92
880-6454-16	T-4 (0-1')	150 S1+	73
880-6454-17	T-4 (1')	280 S1+	73
880-6454-18	T-4 (2')	292 S1+	76
880-6454-19	T-4 (3')	308 S1+	78
880-6454-20	T-4 (4')	272 S1+	75
880-6454-21	T-4 (5')	95	114
880-6454-21 MS	T-4 (5')	89	96
880-6454-21 MSD	T-4 (5')	85	85
880-6454-22	T-4 (6')	88	91
880-6454-23	T-4 (7')	91	100
880-6454-24	T-4 (8')	165 S1+	84
880-6454-25	T-4 (9')	132 S1+	111
880-6454-26	T-4 (10')	91	80
880-6454-27	T-4 (11')	152 S1+	91
880-6454-28	T-5 (0-1')	131 S1+	85
880-6454-29	T-5 (1')	124	108
880-6454-30	T-5 (2')	72	109
880-6454-31	T-5 (3')	88	95
880-6454-32	T-5 (4')	102	108
880-6454-33	T-5 (5')	132 S1+	88
880-6454-34	T-6 (0-1')	91	109
880-6454-35	T-6 (1')	80	82
880-6454-36	T-6 (2')	93	78
880-6454-37	T-6 (3')	101	92
880-6454-38	T-6 (4')	85	97
880-6454-39	T-6 (5')	90	100
880-6454-40	T-6 (6')	83	94
LCS 880-8464/1-A	Lab Control Sample	98	106
LCS 880-8465/1-A	Lab Control Sample	93	89
LCS 880-8517/1-A	Lab Control Sample	88	86

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Surrogate Summary

Client: NT Global

Job ID: 880-6454-1

Project/Site: Diamondback 22 State 2H (8.30.21)

SDG: Eddy Co.,NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCSO 880-8460/4	Lab Control Sample Dup	95	106
LCSO 880-8464/2-A	Lab Control Sample Dup	113	102
LCSO 880-8465/2-A	Lab Control Sample Dup	101	79
LCSO 880-8517/2-A	Lab Control Sample Dup	100	89
MB 880-8460/8	Method Blank	63 S1-	91
MB 880-8464/5-A	Method Blank	63 S1-	92
MB 880-8465/5-A	Method Blank	105	101
MB 880-8517/5-A	Method Blank	128	116
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)
880-6454-1	T-1 (0-1')	129	140 S1+
880-6454-1 MS	T-1 (0-1')	118	112
880-6454-1 MSD	T-1 (0-1')	117	111
880-6454-2	T-1 (1')	128	139 S1+
880-6454-3	T-1 (2')	133 S1+	144 S1+
880-6454-4	T-1 (3')	119	130
880-6454-5	T-1 (4')	130	143 S1+
880-6454-6	T-2 (0-1')	128	143 S1+
880-6454-7	T-2 (1')	120	129
880-6454-8	T-2 (2')	124	140 S1+
880-6454-9	T-2 (3')	107	122
880-6454-10	T-2 (4')	117	128
880-6454-11	T-2 (5')	122	135 S1+
880-6454-12	T-3 (0-1')	137 S1+	129
880-6454-13	T-3 (1')	124	135 S1+
880-6454-14	T-3 (2')	124	128
880-6454-15	T-3 (3')	127	135 S1+
880-6454-16	T-4 (0-1')	143 S1+	137 S1+
880-6454-17	T-4 (1')	143 S1+	131 S1+
880-6454-18	T-4 (2')	151 S1+	133 S1+
880-6454-19	T-4 (3')	136 S1+	129
880-6454-20	T-4 (4')	131 S1+	120
880-6454-21	T-4 (5')	123	130
880-6454-21 MS	T-4 (5')	121	116
880-6454-21 MSD	T-4 (5')	118	111
880-6454-22	T-4 (6')	133 S1+	131 S1+
880-6454-23	T-4 (7')	131 S1+	137 S1+
880-6454-24	T-4 (8')	136 S1+	140 S1+
880-6454-25	T-4 (9')	131 S1+	139 S1+
880-6454-26	T-4 (10')	130	132 S1+
880-6454-27	T-4 (11')	113	115
880-6454-28	T-5 (0-1')	119	122

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Surrogate Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-6454-29	T-5 (1')	107	112
880-6454-30	T-5 (2')	92	97
880-6454-31	T-5 (3')	78	83
880-6454-32	T-5 (4')	96	106
880-6454-33	T-5 (5')	89	96
880-6454-34	T-6 (0-1')	89	89
880-6454-35	T-6 (1')	86	92
880-6454-36	T-6 (2')	97	104
880-6454-37	T-6 (3')	89	86
880-6454-38	T-6 (4')	65 S1-	65 S1-
880-6454-39	T-6 (5')	77	80
880-6454-40	T-6 (6')	91	98
LCS 880-8378/2-A	Lab Control Sample	84	81
LCS 880-8384/2-A	Lab Control Sample	85	83
LCSD 880-8378/3-A	Lab Control Sample Dup	83	82
LCSD 880-8384/3-A	Lab Control Sample Dup	102	100
MB 880-8378/1-A	Method Blank	102	115
MB 880-8384/1-A	Method Blank	94	107

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8460/8
 Matrix: Solid
 Analysis Batch: 8460

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			09/27/21 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg			09/27/21 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			09/27/21 18:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			09/27/21 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			09/27/21 18:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			09/27/21 18:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130		09/27/21 18:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130		09/27/21 18:19	1

Lab Sample ID: LCSD 880-8460/4
 Matrix: Solid
 Analysis Batch: 8460

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07875		mg/Kg		79	70 - 130	11	35
Toluene	0.100	0.09292		mg/Kg		93	70 - 130	11	35
Ethylbenzene	0.100	0.09440		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130	4	35
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-8464/5-A
 Matrix: Solid
 Analysis Batch: 8460

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 07:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 07:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 07:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/27/21 13:55	09/28/21 07:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:55	09/28/21 07:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/27/21 13:55	09/28/21 07:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	09/27/21 13:55	09/28/21 07:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/27/21 13:55	09/28/21 07:59	1

Lab Sample ID: LCS 880-8464/1-A
 Matrix: Solid
 Analysis Batch: 8460

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07235		mg/Kg		72	70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: LCS 880-8464/1-A
 Matrix: Solid
 Analysis Batch: 8460

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Toluene	0.100	0.07014		mg/Kg		70	70 - 130	
Ethylbenzene	0.100	0.07746		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	0.200	0.1680		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08703		mg/Kg		87	70 - 130	
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
4-Bromofluorobenzene (Surr)	98		70 - 130					
1,4-Difluorobenzene (Surr)	106		70 - 130					

Lab Sample ID: LCSD 880-8464/2-A
 Matrix: Solid
 Analysis Batch: 8460

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 8464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									RPD	Limit
Benzene	0.100	0.09942		mg/Kg		99	70 - 130	32	35	
Toluene	0.100	0.1110	*1	mg/Kg		111	70 - 130	45	35	
Ethylbenzene	0.100	0.1046		mg/Kg		105	70 - 130	30	35	
m-Xylene & p-Xylene	0.200	0.2268		mg/Kg		113	70 - 130	30	35	
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	29	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	113		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							

Lab Sample ID: 880-6454-1 MS
 Matrix: Solid
 Analysis Batch: 8460

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 8464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Benzene	<0.00200	U F1 F2	0.100	0.03773	F1	mg/Kg		38	70 - 130	
Toluene	<0.00200	U F1 F2	0.100	0.03890	F1	mg/Kg		39	70 - 130	
Ethylbenzene	<0.00200	U F1 F2	0.100	0.03875	F1	mg/Kg		39	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.08768	F1	mg/Kg		42	70 - 130	
o-Xylene	<0.00200	U F1 F2	0.100	0.04493	F1	mg/Kg		43	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	87		70 - 130							
1,4-Difluorobenzene (Surr)	106		70 - 130							

Lab Sample ID: 880-6454-1 MSD
 Matrix: Solid
 Analysis Batch: 8460

Client Sample ID: T-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 8464

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
											RPD	Limit
Benzene	<0.00200	U F1 F2	0.0994	0.01999	F1 F2	mg/Kg		20	70 - 130	61	35	
Toluene	<0.00200	U F1 F2	0.0994	0.02153	F1 F2	mg/Kg		22	70 - 130	57	35	
Ethylbenzene	<0.00200	U F1 F2	0.0994	0.02149	F1 F2	mg/Kg		22	70 - 130	57	35	
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.199	0.04946	F1 F2	mg/Kg		23	70 - 130	56	35	

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: 880-6454-1 MSD

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

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8460

Prep Batch: 8464

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	<0.00200	U F1 F2	0.0994	0.02684	F1 F2	mg/Kg		25	70 - 130	50	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	81		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: MB 880-8465/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 13:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/27/21 13:58	09/28/21 13:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/27/21 13:58	09/28/21 13:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/27/21 13:58	09/28/21 13:24	1

Lab Sample ID: LCS 880-8465/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08806		mg/Kg		88	70 - 130
Toluene	0.100	0.09061		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08972		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1654		mg/Kg		83	70 - 130
o-Xylene	0.100	0.07585		mg/Kg		76	70 - 130
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
4-Bromofluorobenzene (Surr)	93		70 - 130				
1,4-Difluorobenzene (Surr)	89		70 - 130				

Lab Sample ID: LCSD 880-8465/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07197		mg/Kg		72	70 - 130	20	35
Toluene	0.100	0.1052		mg/Kg		105	70 - 130	15	35
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1827		mg/Kg		91	70 - 130	10	35
o-Xylene	0.100	0.08763		mg/Kg		88	70 - 130	14	35

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: LCSD 880-8465/2-A
 Matrix: Solid
 Analysis Batch: 8502

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 8465

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-6454-21 MS
 Matrix: Solid
 Analysis Batch: 8502

Client Sample ID: T-4 (5')
 Prep Type: Total/NA
 Prep Batch: 8465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0998	0.05828	F1	mg/Kg		58	70 - 130
Toluene	<0.00199	U	0.0998	0.08648		mg/Kg		87	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.07900		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1415		mg/Kg		71	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.06435	F1	mg/Kg		64	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-6454-21 MSD
 Matrix: Solid
 Analysis Batch: 8502

Client Sample ID: T-4 (5')
 Prep Type: Total/NA
 Prep Batch: 8465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0994	0.06123	F1	mg/Kg		62	70 - 130	5	35
Toluene	<0.00199	U	0.0994	0.07543		mg/Kg		76	70 - 130	14	35
Ethylbenzene	<0.00199	U F1	0.0994	0.06861	F1	mg/Kg		68	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1298	F1	mg/Kg		65	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.0994	0.06034	F1	mg/Kg		61	70 - 130	6	35

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

Lab Sample ID: MB 880-8517/5-A
 Matrix: Solid
 Analysis Batch: 8572

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/21 13:08	09/29/21 12:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/21 13:08	09/29/21 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/21 13:08	09/29/21 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/28/21 13:08	09/29/21 12:40	1

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: MB 880-8517/5-A
 Matrix: Solid
 Analysis Batch: 8572

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8517

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,4-Difluorobenzene (Surr)	116		70 - 130	09/28/21 13:08	09/29/21 12:40	1

Lab Sample ID: LCS 880-8517/1-A
 Matrix: Solid
 Analysis Batch: 8572

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8517

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	0.100	0.09029		mg/Kg		90	70 - 130
Toluene	0.100	0.08751		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08523		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1641		mg/Kg		82	70 - 130
o-Xylene	0.100	0.07521		mg/Kg		75	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-8517/2-A
 Matrix: Solid
 Analysis Batch: 8572

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 8517

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.07792		mg/Kg		78	70 - 130	15	35
Toluene	0.100	0.09676		mg/Kg		97	70 - 130	10	35
Ethylbenzene	0.100	0.09820		mg/Kg		98	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1741		mg/Kg		87	70 - 130	6	35
o-Xylene	0.100	0.07666		mg/Kg		77	70 - 130	2	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-6451-A-1-D MS
 Matrix: Solid
 Analysis Batch: 8572

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 8517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	0.000567	J F2 F1	0.100	0.08866		mg/Kg		88	70 - 130
Toluene	0.0170		0.100	0.1066		mg/Kg		89	70 - 130
Ethylbenzene	0.0142		0.100	0.1018		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.0424		0.201	0.1852		mg/Kg		71	70 - 130
o-Xylene	0.0118		0.100	0.09212		mg/Kg		80	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: 880-6451-A-1-E MSD
 Matrix: Solid
 Analysis Batch: 8572

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 8517

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Benzene	0.000567	J F2 F1	0.100	0.05612	F1 F2	mg/Kg		55	70 - 130	45	35
Toluene	0.0170		0.100	0.09112		mg/Kg		74	70 - 130	16	35
Ethylbenzene	0.0142		0.100	0.1109		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	0.0424		0.200	0.1979		mg/Kg		78	70 - 130	7	35
o-Xylene	0.0118		0.100	0.09476		mg/Kg		83	70 - 130	3	35
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130								

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

Lab Sample ID: MB 880-8378/1-A
 Matrix: Solid
 Analysis Batch: 8409

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8378

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		09/24/21 15:12	09/25/21 12:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 12:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:12	09/25/21 12:13	1
Surrogate	%Recovery	MB Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: LCS 880-8378/2-A
 Matrix: Solid
 Analysis Batch: 8409

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8378

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	681.0	*	mg/Kg		68	70 - 130
Diesel Range Organics (Over C10-C28)	1000	786.6		mg/Kg		79	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	84		70 - 130				
o-Terphenyl	81		70 - 130				

Lab Sample ID: LCSD 880-8378/3-A
 Matrix: Solid
 Analysis Batch: 8409

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 8378

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	
		Result	Qualifier				Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	675.4	*	mg/Kg		68	70 - 130	1	20

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: LCSD 880-8378/3-A

Matrix: Solid

Analysis Batch: 8409

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8378

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	820.5		mg/Kg		82	70 - 130	4	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	83		70 - 130						
o-Terphenyl	82		70 - 130						

Lab Sample ID: 880-6454-1 MS

Matrix: Solid

Analysis Batch: 8409

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

Prep Type: Total/NA

Prep Batch: 8378

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	1042		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1067		mg/Kg		107	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	118		70 - 130								
o-Terphenyl	112		70 - 130								

Lab Sample ID: 880-6454-1 MSD

Matrix: Solid

Analysis Batch: 8409

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

Prep Type: Total/NA

Prep Batch: 8378

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	1068		mg/Kg		107	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1080		mg/Kg		108	70 - 130	1	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: MB 880-8384/1-A

Matrix: Solid

Analysis Batch: 8411

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8384

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		09/24/21 15:27	09/25/21 12:13	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 12:13	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/24/21 15:27	09/25/21 12:13	1	
		MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane	94		70 - 130	09/24/21 15:27	09/25/21 12:13					
o-Terphenyl	107		70 - 130	09/24/21 15:27	09/25/21 12:13					

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: LCS 880-8384/2-A
Matrix: Solid
Analysis Batch: 8411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	754.6		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	784.7		mg/Kg		78	70 - 130
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	85		70 - 130				
o-Terphenyl	83		70 - 130				

Lab Sample ID: LCSD 880-8384/3-A
Matrix: Solid
Analysis Batch: 8411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	948.4	*1	mg/Kg		95	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	1000	1039	*1	mg/Kg		104	70 - 130	28	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	100		70 - 130						

Lab Sample ID: 880-6454-21 MS
Matrix: Solid
Analysis Batch: 8411

Client Sample ID: T-4 (5')
Prep Type: Total/NA
Prep Batch: 8384

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 *1	997	1142		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	340	*1	997	1496		mg/Kg		116	70 - 130
		MS	MS						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	121		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 880-6454-21 MSD
Matrix: Solid
Analysis Batch: 8411

Client Sample ID: T-4 (5')
Prep Type: Total/NA
Prep Batch: 8384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	999	1079		mg/Kg		106	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	340	*1	999	1453		mg/Kg		111	70 - 130	3	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	118		70 - 130								

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: 880-6454-21 MSD
 Matrix: Solid
 Analysis Batch: 8411

Client Sample ID: T-4 (5')
 Prep Type: Total/NA
 Prep Batch: 8384

Surrogate	%Recovery	MSD Qualifier	MSD Limits
<i>o</i> -Terphenyl	111		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8385/1-A
 Matrix: Solid
 Analysis Batch: 8472

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			09/28/21 03:30	1

Lab Sample ID: LCS 880-8385/2-A
 Matrix: Solid
 Analysis Batch: 8472

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.1		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-8385/3-A
 Matrix: Solid
 Analysis Batch: 8472

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	250	247.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1300-A-12-F MS
 Matrix: Solid
 Analysis Batch: 8472

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	581		250	842.9		mg/Kg		105	90 - 110

Lab Sample ID: 890-1300-A-12-G MSD
 Matrix: Solid
 Analysis Batch: 8472

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	581		250	843.6		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-8386/1-A
 Matrix: Solid
 Analysis Batch: 8473

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			09/27/21 18:53	1

QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-8386/2-A
 Matrix: Solid
 Analysis Batch: 8473

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	269.2		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-8386/3-A
 Matrix: Solid
 Analysis Batch: 8473

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	268.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-6454-35 MS
 Matrix: Solid
 Analysis Batch: 8473

Client Sample ID: T-6 (1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.98	U	249	273.1		mg/Kg		108	90 - 110

Lab Sample ID: 880-6454-35 MSD
 Matrix: Solid
 Analysis Batch: 8473

Client Sample ID: T-6 (1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.98	U	249	273.2		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-8382/1-A
 Matrix: Solid
 Analysis Batch: 8528

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			09/28/21 21:09	1

Lab Sample ID: LCS 880-8382/2-A
 Matrix: Solid
 Analysis Batch: 8528

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-8382/3-A
 Matrix: Solid
 Analysis Batch: 8528

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	253.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-6454-3 MS
 Matrix: Solid
 Analysis Batch: 8528

Client Sample ID: T-1 (2')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	297		249	553.5		mg/Kg		103	90 - 110

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QC Sample Results

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6454-3 MSD
Matrix: Solid
Analysis Batch: 8528

Client Sample ID: T-1 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	297		249	553.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-8383/1-A
Matrix: Solid
Analysis Batch: 8529

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			09/29/21 00:25	1

Lab Sample ID: LCS 880-8383/2-A
Matrix: Solid
Analysis Batch: 8529

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-8383/3-A
Matrix: Solid
Analysis Batch: 8529

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	253.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-6454-13 MS
Matrix: Solid
Analysis Batch: 8529

Client Sample ID: T-3 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	64.4		250	335.2		mg/Kg		108	90 - 110

Lab Sample ID: 880-6454-13 MSD
Matrix: Solid
Analysis Batch: 8529

Client Sample ID: T-3 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	64.4		250	335.8		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-6454-23 MS
Matrix: Solid
Analysis Batch: 8529

Client Sample ID: T-4 (7')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4880		2500	7421		mg/Kg		102	90 - 110

Lab Sample ID: 880-6454-23 MSD
Matrix: Solid
Analysis Batch: 8529

Client Sample ID: T-4 (7')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4880		2500	7411		mg/Kg		101	90 - 110	0	20

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QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

GC VOA

Analysis Batch: 8460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Total/NA	Solid	8021B	8464
880-6454-2	T-1 (1')	Total/NA	Solid	8021B	8464
880-6454-3	T-1 (2')	Total/NA	Solid	8021B	8464
880-6454-4	T-1 (3')	Total/NA	Solid	8021B	8464
880-6454-5	T-1 (4')	Total/NA	Solid	8021B	8464
880-6454-6	T-2 (0-1')	Total/NA	Solid	8021B	8464
880-6454-7	T-2 (1')	Total/NA	Solid	8021B	8464
880-6454-8	T-2 (2')	Total/NA	Solid	8021B	8464
880-6454-9	T-2 (3')	Total/NA	Solid	8021B	8464
880-6454-10	T-2 (4')	Total/NA	Solid	8021B	8464
880-6454-11	T-2 (5')	Total/NA	Solid	8021B	8464
880-6454-12	T-3 (0-1')	Total/NA	Solid	8021B	8464
880-6454-13	T-3 (1')	Total/NA	Solid	8021B	8464
880-6454-14	T-3 (2')	Total/NA	Solid	8021B	8464
880-6454-15	T-3 (3')	Total/NA	Solid	8021B	8464
880-6454-16	T-4 (0-1')	Total/NA	Solid	8021B	8464
880-6454-17	T-4 (1')	Total/NA	Solid	8021B	8464
880-6454-18	T-4 (2')	Total/NA	Solid	8021B	8464
880-6454-19	T-4 (3')	Total/NA	Solid	8021B	8464
880-6454-20	T-4 (4')	Total/NA	Solid	8021B	8464
MB 880-8460/8	Method Blank	Total/NA	Solid	8021B	
MB 880-8464/5-A	Method Blank	Total/NA	Solid	8021B	8464
LCS 880-8464/1-A	Lab Control Sample	Total/NA	Solid	8021B	8464
LCSD 880-8460/4	Lab Control Sample Dup	Total/NA	Solid	8021B	
LCSD 880-8464/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8464
880-6454-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	8464
880-6454-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	8464

Prep Batch: 8464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Total/NA	Solid	5035	
880-6454-2	T-1 (1')	Total/NA	Solid	5035	
880-6454-3	T-1 (2')	Total/NA	Solid	5035	
880-6454-4	T-1 (3')	Total/NA	Solid	5035	
880-6454-5	T-1 (4')	Total/NA	Solid	5035	
880-6454-6	T-2 (0-1')	Total/NA	Solid	5035	
880-6454-7	T-2 (1')	Total/NA	Solid	5035	
880-6454-8	T-2 (2')	Total/NA	Solid	5035	
880-6454-9	T-2 (3')	Total/NA	Solid	5035	
880-6454-10	T-2 (4')	Total/NA	Solid	5035	
880-6454-11	T-2 (5')	Total/NA	Solid	5035	
880-6454-12	T-3 (0-1')	Total/NA	Solid	5035	
880-6454-13	T-3 (1')	Total/NA	Solid	5035	
880-6454-14	T-3 (2')	Total/NA	Solid	5035	
880-6454-15	T-3 (3')	Total/NA	Solid	5035	
880-6454-16	T-4 (0-1')	Total/NA	Solid	5035	
880-6454-17	T-4 (1')	Total/NA	Solid	5035	
880-6454-18	T-4 (2')	Total/NA	Solid	5035	
880-6454-19	T-4 (3')	Total/NA	Solid	5035	
880-6454-20	T-4 (4')	Total/NA	Solid	5035	
MB 880-8464/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

GC VOA (Continued)

Prep Batch: 8464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-8464/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8464/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6454-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-6454-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 8465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-21	T-4 (5')	Total/NA	Solid	5035	
880-6454-22	T-4 (6')	Total/NA	Solid	5035	
880-6454-23	T-4 (7')	Total/NA	Solid	5035	
880-6454-24	T-4 (8')	Total/NA	Solid	5035	
880-6454-25	T-4 (9')	Total/NA	Solid	5035	
880-6454-26	T-4 (10')	Total/NA	Solid	5035	
880-6454-27	T-4 (11')	Total/NA	Solid	5035	
880-6454-28	T-5 (0-1')	Total/NA	Solid	5035	
880-6454-29	T-5 (1')	Total/NA	Solid	5035	
880-6454-30	T-5 (2')	Total/NA	Solid	5035	
880-6454-31	T-5 (3')	Total/NA	Solid	5035	
880-6454-32	T-5 (4')	Total/NA	Solid	5035	
880-6454-33	T-5 (5')	Total/NA	Solid	5035	
880-6454-34	T-6 (0-1')	Total/NA	Solid	5035	
880-6454-35	T-6 (1')	Total/NA	Solid	5035	
880-6454-36	T-6 (2')	Total/NA	Solid	5035	
880-6454-37	T-6 (3')	Total/NA	Solid	5035	
880-6454-38	T-6 (4')	Total/NA	Solid	5035	
880-6454-39	T-6 (5')	Total/NA	Solid	5035	
880-6454-40	T-6 (6')	Total/NA	Solid	5035	
MB 880-8465/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8465/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8465/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6454-21 MS	T-4 (5')	Total/NA	Solid	5035	
880-6454-21 MSD	T-4 (5')	Total/NA	Solid	5035	

Analysis Batch: 8502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-21	T-4 (5')	Total/NA	Solid	8021B	8465
880-6454-22	T-4 (6')	Total/NA	Solid	8021B	8465
880-6454-23	T-4 (7')	Total/NA	Solid	8021B	8465
880-6454-24	T-4 (8')	Total/NA	Solid	8021B	8465
880-6454-25	T-4 (9')	Total/NA	Solid	8021B	8465
880-6454-26	T-4 (10')	Total/NA	Solid	8021B	8465
880-6454-27	T-4 (11')	Total/NA	Solid	8021B	8465
880-6454-28	T-5 (0-1')	Total/NA	Solid	8021B	8465
880-6454-29	T-5 (1')	Total/NA	Solid	8021B	8465
880-6454-30	T-5 (2')	Total/NA	Solid	8021B	8465
880-6454-31	T-5 (3')	Total/NA	Solid	8021B	8465
880-6454-32	T-5 (4')	Total/NA	Solid	8021B	8465
880-6454-33	T-5 (5')	Total/NA	Solid	8021B	8465
880-6454-34	T-6 (0-1')	Total/NA	Solid	8021B	8465
880-6454-35	T-6 (1')	Total/NA	Solid	8021B	8465
880-6454-36	T-6 (2')	Total/NA	Solid	8021B	8465

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

GC VOA (Continued)

Analysis Batch: 8502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-37	T-6 (3')	Total/NA	Solid	8021B	8465
880-6454-38	T-6 (4')	Total/NA	Solid	8021B	8465
880-6454-39	T-6 (5')	Total/NA	Solid	8021B	8465
880-6454-40	T-6 (6')	Total/NA	Solid	8021B	8465
MB 880-8465/5-A	Method Blank	Total/NA	Solid	8021B	8465
LCS 880-8465/1-A	Lab Control Sample	Total/NA	Solid	8021B	8465
LCSD 880-8465/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8465
880-6454-21 MS	T-4 (5')	Total/NA	Solid	8021B	8465
880-6454-21 MSD	T-4 (5')	Total/NA	Solid	8021B	8465

Prep Batch: 8517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-17	T-4 (1')	Total/NA	Solid	5035	
MB 880-8517/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8517/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8517/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6451-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-6451-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 8572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-17	T-4 (1')	Total/NA	Solid	8021B	8517
MB 880-8517/5-A	Method Blank	Total/NA	Solid	8021B	8517
LCS 880-8517/1-A	Lab Control Sample	Total/NA	Solid	8021B	8517
LCSD 880-8517/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8517
880-6451-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	8517
880-6451-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8517

Analysis Batch: 8603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-6454-2	T-1 (1')	Total/NA	Solid	Total BTEX	
880-6454-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-6454-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-6454-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-6454-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-6454-7	T-2 (1')	Total/NA	Solid	Total BTEX	
880-6454-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-6454-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-6454-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-6454-11	T-2 (5')	Total/NA	Solid	Total BTEX	
880-6454-12	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-6454-13	T-3 (1')	Total/NA	Solid	Total BTEX	
880-6454-14	T-3 (2')	Total/NA	Solid	Total BTEX	
880-6454-15	T-3 (3')	Total/NA	Solid	Total BTEX	
880-6454-16	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-6454-17	T-4 (1')	Total/NA	Solid	Total BTEX	
880-6454-18	T-4 (2')	Total/NA	Solid	Total BTEX	
880-6454-19	T-4 (3')	Total/NA	Solid	Total BTEX	
880-6454-20	T-4 (4')	Total/NA	Solid	Total BTEX	
880-6454-21	T-4 (5')	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

GC VOA (Continued)

Analysis Batch: 8603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-22	T-4 (6')	Total/NA	Solid	Total BTEX	
880-6454-23	T-4 (7')	Total/NA	Solid	Total BTEX	
880-6454-24	T-4 (8')	Total/NA	Solid	Total BTEX	
880-6454-25	T-4 (9')	Total/NA	Solid	Total BTEX	
880-6454-26	T-4 (10')	Total/NA	Solid	Total BTEX	
880-6454-27	T-4 (11')	Total/NA	Solid	Total BTEX	
880-6454-28	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-6454-29	T-5 (1')	Total/NA	Solid	Total BTEX	
880-6454-30	T-5 (2')	Total/NA	Solid	Total BTEX	
880-6454-31	T-5 (3')	Total/NA	Solid	Total BTEX	
880-6454-32	T-5 (4')	Total/NA	Solid	Total BTEX	
880-6454-33	T-5 (5')	Total/NA	Solid	Total BTEX	
880-6454-34	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-6454-35	T-6 (1')	Total/NA	Solid	Total BTEX	
880-6454-36	T-6 (2')	Total/NA	Solid	Total BTEX	
880-6454-37	T-6 (3')	Total/NA	Solid	Total BTEX	
880-6454-38	T-6 (4')	Total/NA	Solid	Total BTEX	
880-6454-39	T-6 (5')	Total/NA	Solid	Total BTEX	
880-6454-40	T-6 (6')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 8378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-2	T-1 (1')	Total/NA	Solid	8015NM Prep	
880-6454-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-6454-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-6454-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-6454-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-7	T-2 (1')	Total/NA	Solid	8015NM Prep	
880-6454-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-6454-9	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-6454-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-6454-11	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-6454-12	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-13	T-3 (1')	Total/NA	Solid	8015NM Prep	
880-6454-14	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-6454-15	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-6454-16	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-17	T-4 (1')	Total/NA	Solid	8015NM Prep	
880-6454-18	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-6454-19	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-6454-20	T-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-8378/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8378/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8378/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6454-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

GC Semi VOA

Prep Batch: 8384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-21	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-6454-22	T-4 (6')	Total/NA	Solid	8015NM Prep	
880-6454-23	T-4 (7')	Total/NA	Solid	8015NM Prep	
880-6454-24	T-4 (8')	Total/NA	Solid	8015NM Prep	
880-6454-25	T-4 (9')	Total/NA	Solid	8015NM Prep	
880-6454-26	T-4 (10')	Total/NA	Solid	8015NM Prep	
880-6454-27	T-4 (11')	Total/NA	Solid	8015NM Prep	
880-6454-28	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-29	T-5 (1')	Total/NA	Solid	8015NM Prep	
880-6454-30	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-6454-31	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-6454-32	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-6454-33	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-6454-34	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-6454-35	T-6 (1')	Total/NA	Solid	8015NM Prep	
880-6454-36	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-6454-37	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-6454-38	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-6454-39	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-6454-40	T-6 (6')	Total/NA	Solid	8015NM Prep	
MB 880-8384/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8384/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6454-21 MS	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-6454-21 MSD	T-4 (5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Total/NA	Solid	8015B NM	8378
880-6454-2	T-1 (1')	Total/NA	Solid	8015B NM	8378
880-6454-3	T-1 (2')	Total/NA	Solid	8015B NM	8378
880-6454-4	T-1 (3')	Total/NA	Solid	8015B NM	8378
880-6454-5	T-1 (4')	Total/NA	Solid	8015B NM	8378
880-6454-6	T-2 (0-1')	Total/NA	Solid	8015B NM	8378
880-6454-7	T-2 (1')	Total/NA	Solid	8015B NM	8378
880-6454-8	T-2 (2')	Total/NA	Solid	8015B NM	8378
880-6454-9	T-2 (3')	Total/NA	Solid	8015B NM	8378
880-6454-10	T-2 (4')	Total/NA	Solid	8015B NM	8378
880-6454-11	T-2 (5')	Total/NA	Solid	8015B NM	8378
880-6454-12	T-3 (0-1')	Total/NA	Solid	8015B NM	8378
880-6454-13	T-3 (1')	Total/NA	Solid	8015B NM	8378
880-6454-14	T-3 (2')	Total/NA	Solid	8015B NM	8378
880-6454-15	T-3 (3')	Total/NA	Solid	8015B NM	8378
880-6454-16	T-4 (0-1')	Total/NA	Solid	8015B NM	8378
880-6454-17	T-4 (1')	Total/NA	Solid	8015B NM	8378
880-6454-18	T-4 (2')	Total/NA	Solid	8015B NM	8378
880-6454-19	T-4 (3')	Total/NA	Solid	8015B NM	8378
880-6454-20	T-4 (4')	Total/NA	Solid	8015B NM	8378
MB 880-8378/1-A	Method Blank	Total/NA	Solid	8015B NM	8378
LCS 880-8378/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8378
LCSD 880-8378/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8378

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

GC Semi VOA (Continued)

Analysis Batch: 8409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	8378
880-6454-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	8378

Analysis Batch: 8411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-21	T-4 (5')	Total/NA	Solid	8015B NM	8384
880-6454-22	T-4 (6')	Total/NA	Solid	8015B NM	8384
880-6454-23	T-4 (7')	Total/NA	Solid	8015B NM	8384
880-6454-24	T-4 (8')	Total/NA	Solid	8015B NM	8384
880-6454-25	T-4 (9')	Total/NA	Solid	8015B NM	8384
880-6454-26	T-4 (10')	Total/NA	Solid	8015B NM	8384
880-6454-27	T-4 (11')	Total/NA	Solid	8015B NM	8384
880-6454-28	T-5 (0-1')	Total/NA	Solid	8015B NM	8384
880-6454-29	T-5 (1')	Total/NA	Solid	8015B NM	8384
880-6454-30	T-5 (2')	Total/NA	Solid	8015B NM	8384
880-6454-31	T-5 (3')	Total/NA	Solid	8015B NM	8384
880-6454-32	T-5 (4')	Total/NA	Solid	8015B NM	8384
880-6454-33	T-5 (5')	Total/NA	Solid	8015B NM	8384
880-6454-34	T-6 (0-1')	Total/NA	Solid	8015B NM	8384
880-6454-35	T-6 (1')	Total/NA	Solid	8015B NM	8384
880-6454-36	T-6 (2')	Total/NA	Solid	8015B NM	8384
880-6454-37	T-6 (3')	Total/NA	Solid	8015B NM	8384
880-6454-38	T-6 (4')	Total/NA	Solid	8015B NM	8384
880-6454-39	T-6 (5')	Total/NA	Solid	8015B NM	8384
880-6454-40	T-6 (6')	Total/NA	Solid	8015B NM	8384
MB 880-8384/1-A	Method Blank	Total/NA	Solid	8015B NM	8384
LCS 880-8384/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8384
LCSD 880-8384/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8384
880-6454-21 MS	T-4 (5')	Total/NA	Solid	8015B NM	8384
880-6454-21 MSD	T-4 (5')	Total/NA	Solid	8015B NM	8384

Analysis Batch: 8616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-6454-2	T-1 (1')	Total/NA	Solid	8015 NM	
880-6454-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-6454-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-6454-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-6454-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-6454-7	T-2 (1')	Total/NA	Solid	8015 NM	
880-6454-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-6454-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-6454-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-6454-11	T-2 (5')	Total/NA	Solid	8015 NM	
880-6454-12	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-6454-13	T-3 (1')	Total/NA	Solid	8015 NM	
880-6454-14	T-3 (2')	Total/NA	Solid	8015 NM	
880-6454-15	T-3 (3')	Total/NA	Solid	8015 NM	
880-6454-16	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-6454-17	T-4 (1')	Total/NA	Solid	8015 NM	
880-6454-18	T-4 (2')	Total/NA	Solid	8015 NM	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

GC Semi VOA (Continued)

Analysis Batch: 8616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-19	T-4 (3')	Total/NA	Solid	8015 NM	
880-6454-20	T-4 (4')	Total/NA	Solid	8015 NM	
880-6454-21	T-4 (5')	Total/NA	Solid	8015 NM	
880-6454-22	T-4 (6')	Total/NA	Solid	8015 NM	
880-6454-23	T-4 (7')	Total/NA	Solid	8015 NM	
880-6454-24	T-4 (8')	Total/NA	Solid	8015 NM	
880-6454-25	T-4 (9')	Total/NA	Solid	8015 NM	
880-6454-26	T-4 (10')	Total/NA	Solid	8015 NM	
880-6454-27	T-4 (11')	Total/NA	Solid	8015 NM	
880-6454-28	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-6454-29	T-5 (1')	Total/NA	Solid	8015 NM	
880-6454-30	T-5 (2')	Total/NA	Solid	8015 NM	
880-6454-31	T-5 (3')	Total/NA	Solid	8015 NM	
880-6454-32	T-5 (4')	Total/NA	Solid	8015 NM	
880-6454-33	T-5 (5')	Total/NA	Solid	8015 NM	
880-6454-34	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-6454-35	T-6 (1')	Total/NA	Solid	8015 NM	
880-6454-36	T-6 (2')	Total/NA	Solid	8015 NM	
880-6454-37	T-6 (3')	Total/NA	Solid	8015 NM	
880-6454-38	T-6 (4')	Total/NA	Solid	8015 NM	
880-6454-39	T-6 (5')	Total/NA	Solid	8015 NM	
880-6454-40	T-6 (6')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 8382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-6454-2	T-1 (1')	Soluble	Solid	DI Leach	
880-6454-3	T-1 (2')	Soluble	Solid	DI Leach	
880-6454-4	T-1 (3')	Soluble	Solid	DI Leach	
880-6454-5	T-1 (4')	Soluble	Solid	DI Leach	
880-6454-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-6454-7	T-2 (1')	Soluble	Solid	DI Leach	
880-6454-8	T-2 (2')	Soluble	Solid	DI Leach	
880-6454-9	T-2 (3')	Soluble	Solid	DI Leach	
880-6454-10	T-2 (4')	Soluble	Solid	DI Leach	
880-6454-11	T-2 (5')	Soluble	Solid	DI Leach	
880-6454-12	T-3 (0-1')	Soluble	Solid	DI Leach	
MB 880-8382/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8382/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8382/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6454-3 MS	T-1 (2')	Soluble	Solid	DI Leach	
880-6454-3 MSD	T-1 (2')	Soluble	Solid	DI Leach	

Leach Batch: 8383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-13	T-3 (1')	Soluble	Solid	DI Leach	
880-6454-14	T-3 (2')	Soluble	Solid	DI Leach	
880-6454-15	T-3 (3')	Soluble	Solid	DI Leach	
880-6454-16	T-4 (0-1')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

HPLC/IC (Continued)

Leach Batch: 8383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-17	T-4 (1')	Soluble	Solid	DI Leach	
880-6454-18	T-4 (2')	Soluble	Solid	DI Leach	
880-6454-19	T-4 (3')	Soluble	Solid	DI Leach	
880-6454-20	T-4 (4')	Soluble	Solid	DI Leach	
880-6454-21	T-4 (5')	Soluble	Solid	DI Leach	
880-6454-22	T-4 (6')	Soluble	Solid	DI Leach	
880-6454-23	T-4 (7')	Soluble	Solid	DI Leach	
880-6454-24	T-4 (8')	Soluble	Solid	DI Leach	
880-6454-25	T-4 (9')	Soluble	Solid	DI Leach	
880-6454-26	T-4 (10')	Soluble	Solid	DI Leach	
880-6454-27	T-4 (11')	Soluble	Solid	DI Leach	
880-6454-28	T-5 (0-1')	Soluble	Solid	DI Leach	
880-6454-29	T-5 (1')	Soluble	Solid	DI Leach	
880-6454-30	T-5 (2')	Soluble	Solid	DI Leach	
880-6454-31	T-5 (3')	Soluble	Solid	DI Leach	
880-6454-32	T-5 (4')	Soluble	Solid	DI Leach	
MB 880-8383/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8383/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-8383/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6454-13 MS	T-3 (1')	Soluble	Solid	DI Leach	
880-6454-13 MSD	T-3 (1')	Soluble	Solid	DI Leach	
880-6454-23 MS	T-4 (7')	Soluble	Solid	DI Leach	
880-6454-23 MSD	T-4 (7')	Soluble	Solid	DI Leach	

Leach Batch: 8385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-33	T-5 (5')	Soluble	Solid	DI Leach	
880-6454-34	T-6 (0-1')	Soluble	Solid	DI Leach	
MB 880-8385/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8385/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-8385/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1300-A-12-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1300-A-12-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 8386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-35	T-6 (1')	Soluble	Solid	DI Leach	
880-6454-36	T-6 (2')	Soluble	Solid	DI Leach	
880-6454-37	T-6 (3')	Soluble	Solid	DI Leach	
880-6454-38	T-6 (4')	Soluble	Solid	DI Leach	
880-6454-39	T-6 (5')	Soluble	Solid	DI Leach	
880-6454-40	T-6 (6')	Soluble	Solid	DI Leach	
MB 880-8386/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8386/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-8386/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6454-35 MS	T-6 (1')	Soluble	Solid	DI Leach	
880-6454-35 MSD	T-6 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 8472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-33	T-5 (5')	Soluble	Solid	300.0	8385

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

HPLC/IC (Continued)

Analysis Batch: 8472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-34	T-6 (0-1')	Soluble	Solid	300.0	8385
MB 880-8385/1-A	Method Blank	Soluble	Solid	300.0	8385
LCS 880-8385/2-A	Lab Control Sample	Soluble	Solid	300.0	8385
LCSD 880-8385/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8385
890-1300-A-12-F MS	Matrix Spike	Soluble	Solid	300.0	8385
890-1300-A-12-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8385

Analysis Batch: 8473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-35	T-6 (1')	Soluble	Solid	300.0	8386
880-6454-36	T-6 (2')	Soluble	Solid	300.0	8386
880-6454-37	T-6 (3')	Soluble	Solid	300.0	8386
880-6454-38	T-6 (4')	Soluble	Solid	300.0	8386
880-6454-39	T-6 (5')	Soluble	Solid	300.0	8386
880-6454-40	T-6 (6')	Soluble	Solid	300.0	8386
MB 880-8386/1-A	Method Blank	Soluble	Solid	300.0	8386
LCS 880-8386/2-A	Lab Control Sample	Soluble	Solid	300.0	8386
LCSD 880-8386/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8386
880-6454-35 MS	T-6 (1')	Soluble	Solid	300.0	8386
880-6454-35 MSD	T-6 (1')	Soluble	Solid	300.0	8386

Analysis Batch: 8528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-1	T-1 (0-1')	Soluble	Solid	300.0	8382
880-6454-2	T-1 (1')	Soluble	Solid	300.0	8382
880-6454-3	T-1 (2')	Soluble	Solid	300.0	8382
880-6454-4	T-1 (3')	Soluble	Solid	300.0	8382
880-6454-5	T-1 (4')	Soluble	Solid	300.0	8382
880-6454-6	T-2 (0-1')	Soluble	Solid	300.0	8382
880-6454-7	T-2 (1')	Soluble	Solid	300.0	8382
880-6454-8	T-2 (2')	Soluble	Solid	300.0	8382
880-6454-9	T-2 (3')	Soluble	Solid	300.0	8382
880-6454-10	T-2 (4')	Soluble	Solid	300.0	8382
880-6454-11	T-2 (5')	Soluble	Solid	300.0	8382
880-6454-12	T-3 (0-1')	Soluble	Solid	300.0	8382
MB 880-8382/1-A	Method Blank	Soluble	Solid	300.0	8382
LCS 880-8382/2-A	Lab Control Sample	Soluble	Solid	300.0	8382
LCSD 880-8382/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8382
880-6454-3 MS	T-1 (2')	Soluble	Solid	300.0	8382
880-6454-3 MSD	T-1 (2')	Soluble	Solid	300.0	8382

Analysis Batch: 8529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-13	T-3 (1')	Soluble	Solid	300.0	8383
880-6454-14	T-3 (2')	Soluble	Solid	300.0	8383
880-6454-15	T-3 (3')	Soluble	Solid	300.0	8383
880-6454-16	T-4 (0-1')	Soluble	Solid	300.0	8383
880-6454-17	T-4 (1')	Soluble	Solid	300.0	8383
880-6454-18	T-4 (2')	Soluble	Solid	300.0	8383
880-6454-19	T-4 (3')	Soluble	Solid	300.0	8383
880-6454-20	T-4 (4')	Soluble	Solid	300.0	8383

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

HPLC/IC (Continued)

Analysis Batch: 8529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6454-21	T-4 (5')	Soluble	Solid	300.0	8383
880-6454-22	T-4 (6')	Soluble	Solid	300.0	8383
880-6454-23	T-4 (7')	Soluble	Solid	300.0	8383
880-6454-24	T-4 (8')	Soluble	Solid	300.0	8383
880-6454-25	T-4 (9')	Soluble	Solid	300.0	8383
880-6454-26	T-4 (10')	Soluble	Solid	300.0	8383
880-6454-27	T-4 (11')	Soluble	Solid	300.0	8383
880-6454-28	T-5 (0-1')	Soluble	Solid	300.0	8383
880-6454-29	T-5 (1')	Soluble	Solid	300.0	8383
880-6454-30	T-5 (2')	Soluble	Solid	300.0	8383
880-6454-31	T-5 (3')	Soluble	Solid	300.0	8383
880-6454-32	T-5 (4')	Soluble	Solid	300.0	8383
MB 880-8383/1-A	Method Blank	Soluble	Solid	300.0	8383
LCS 880-8383/2-A	Lab Control Sample	Soluble	Solid	300.0	8383
LCSD 880-8383/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8383
880-6454-13 MS	T-3 (1')	Soluble	Solid	300.0	8383
880-6454-13 MSD	T-3 (1')	Soluble	Solid	300.0	8383
880-6454-23 MS	T-4 (7')	Soluble	Solid	300.0	8383
880-6454-23 MSD	T-4 (7')	Soluble	Solid	300.0	8383

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Lab Sample ID: 880-6454-1

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 08:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 15:30	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 13:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 22:33	CH	XEN MID

Client Sample ID: T-1 (1')

Lab Sample ID: 880-6454-2

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 08:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 15:30	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 14:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 22:39	CH	XEN MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-6454-3

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 09:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 15:30	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 14:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 22:44	CH	XEN MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-6454-4

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 09:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-6454-4

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 15:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 23:01	CH	XEN MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-6454-5

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 10:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 15:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 23:07	CH	XEN MID

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

Lab Sample ID: 880-6454-6

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 10:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		5			8528	09/28/21 23:23	CH	XEN MID

Client Sample ID: T-2 (1')

Lab Sample ID: 880-6454-7

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 11:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 16:07	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-2 (1')

Lab Sample ID: 880-6454-7

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 23:29	CH	XEN MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-6454-8

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 11:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		5			8528	09/28/21 23:35	CH	XEN MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-6454-9

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 11:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 16:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 23:40	CH	XEN MID

Client Sample ID: T-2 (4')

Lab Sample ID: 880-6454-10

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 12:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 17:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 23:46	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-2 (5')

Lab Sample ID: 880-6454-11

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 15:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		1			8528	09/28/21 23:51	CH	XEN MID

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

Lab Sample ID: 880-6454-12

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 16:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8382	09/24/21 15:23	SC	XEN MID
Soluble	Analysis	300.0		10			8528	09/28/21 23:57	CH	XEN MID

Client Sample ID: T-3 (1')

Lab Sample ID: 880-6454-13

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 16:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 18:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		1			8529	09/29/21 00:42	CH	XEN MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-6454-14

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 17:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-6454-14

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		1			8529	09/29/21 00:59	CH	XEN MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-6454-15

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8460	09/28/21 17:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 19:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		1			8529	09/29/21 01:04	CH	XEN MID

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

Lab Sample ID: 880-6454-16

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	8460	09/28/21 17:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:10	CH	XEN MID

Client Sample ID: T-4 (1')

Lab Sample ID: 880-6454-17

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8517	09/29/21 13:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8572	09/29/21 15:28	KL	XEN MID
Total/NA	Prep	5035			5.00 g	5 mL	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	8460	09/28/21 18:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (1')

Lab Sample ID: 880-6454-17

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 20:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:16	CH	XEN MID

Client Sample ID: T-4 (2')

Lab Sample ID: 880-6454-18

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	8460	09/28/21 18:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 20:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:33	CH	XEN MID

Client Sample ID: T-4 (3')

Lab Sample ID: 880-6454-19

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	8460	09/28/21 19:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:38	CH	XEN MID

Client Sample ID: T-4 (4')

Lab Sample ID: 880-6454-20

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8464	09/27/21 13:55	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	8460	09/28/21 19:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8378	09/24/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8409	09/25/21 21:21	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-6454-20

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:44	CH	XEN MID

Client Sample ID: T-4 (5')

Lab Sample ID: 880-6454-21

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 13:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 13:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:49	CH	XEN MID

Client Sample ID: T-4 (6')

Lab Sample ID: 880-6454-22

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 14:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 14:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 01:55	CH	XEN MID

Client Sample ID: T-4 (7')

Lab Sample ID: 880-6454-23

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 14:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 14:39	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 02:01	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (8')

Lab Sample ID: 880-6454-24

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 14:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 15:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		20			8529	09/29/21 02:17	CH	XEN MID

Client Sample ID: T-4 (9')

Lab Sample ID: 880-6454-25

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 15:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 15:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		20			8529	09/29/21 02:23	CH	XEN MID

Client Sample ID: T-4 (10')

Lab Sample ID: 880-6454-26

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 15:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 02:40	CH	XEN MID

Client Sample ID: T-4 (11')

Lab Sample ID: 880-6454-27

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 15:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Client Sample ID: T-4 (11')

Lab Sample ID: 880-6454-27

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 16:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 02:46	CH	XEN MID

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-6454-28

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 16:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 02:51	CH	XEN MID

Client Sample ID: T-5 (1')

Lab Sample ID: 880-6454-29

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 16:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 16:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		10			8529	09/29/21 02:57	CH	XEN MID

Client Sample ID: T-5 (2')

Lab Sample ID: 880-6454-30

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 16:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 17:14	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-6454-30

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		20			8529	09/29/21 03:02	CH	XEN MID

Client Sample ID: T-5 (3')

Lab Sample ID: 880-6454-31

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 18:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		1			8529	09/29/21 03:08	CH	XEN MID

Client Sample ID: T-5 (4')

Lab Sample ID: 880-6454-32

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 18:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8383	09/24/21 15:26	SC	XEN MID
Soluble	Analysis	300.0		1			8529	09/29/21 03:14	CH	XEN MID

Client Sample ID: T-5 (5')

Lab Sample ID: 880-6454-33

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 18:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 18:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8385	09/24/21 15:30	SC	XEN MID
Soluble	Analysis	300.0		10			8472	09/28/21 06:13	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-6454-34

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 19:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8385	09/24/21 15:30	SC	XEN MID
Soluble	Analysis	300.0		1			8472	09/28/21 06:18	CH	XEN MID

Client Sample ID: T-6 (1')

Lab Sample ID: 880-6454-35

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 19:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 19:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 19:12	CH	XEN MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-6454-36

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 19:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 19:30	CH	XEN MID

Client Sample ID: T-6 (3')

Lab Sample ID: 880-6454-37

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 20:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-6454-37

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 20:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 19:36	CH	XEN MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-6454-38

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 20:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 20:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/28/21 11:07	CH	XEN MID

Client Sample ID: T-6 (5')

Lab Sample ID: 880-6454-39

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 21:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/28/21 11:13	CH	XEN MID

Client Sample ID: T-6 (6')

Lab Sample ID: 880-6454-40

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8465	09/27/21 13:58	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/28/21 21:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8603	09/29/21 20:41	KL	XEN MID
Total/NA	Analysis	8015 NM		1			8616	09/29/21 16:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8384	09/24/21 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8411	09/25/21 21:21	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Client Sample ID: T-6 (6')

Lab Sample ID: 880-6454-40

Date Collected: 09/22/21 00:00

Matrix: Solid

Date Received: 09/24/21 13:42

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	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/28/21 11:19	CH	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: NT Global
Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
SDG: Eddy Co.,NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

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Method Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

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

Protocol References:

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

Laboratory References:

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

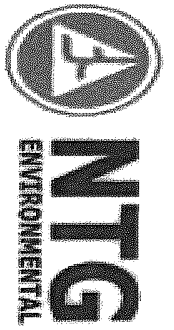


Sample Summary

Client: NT Global
 Project/Site: Diamondback 22 State 2H (8.30.21)

Job ID: 880-6454-1
 SDG: Eddy Co.,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-6454-1	T-1 (0-1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-2	T-1 (1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-3	T-1 (2')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-4	T-1 (3')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-5	T-1 (4')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-6	T-2 (0-1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-7	T-2 (1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-8	T-2 (2')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-9	T-2 (3')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-10	T-2 (4')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-11	T-2 (5')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-12	T-3 (0-1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-13	T-3 (1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-14	T-3 (2')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-15	T-3 (3')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-16	T-4 (0-1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-17	T-4 (1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-18	T-4 (2')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-19	T-4 (3')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-20	T-4 (4')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-21	T-4 (5')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-22	T-4 (6')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-23	T-4 (7')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-24	T-4 (8')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-25	T-4 (9')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-26	T-4 (10')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-27	T-4 (11')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-28	T-5 (0-1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-29	T-5 (1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-30	T-5 (2')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-31	T-5 (3')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-32	T-5 (4')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-33	T-5 (5')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-34	T-6 (0-1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-35	T-6 (1')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-36	T-6 (2')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-37	T-6 (3')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-38	T-6 (4')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-39	T-6 (5')	Solid	09/22/21 00:00	09/24/21 13:42
880-6454-40	T-6 (6')	Solid	09/22/21 00:00	09/24/21 13:42



Chain of Custody



890-6454 Chain of Custody

880-6454

Page 1 of 4

Project Manager: Mike Carmona
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd
 City, State ZIP: Midland, TX 79706
 Phone: 575 496 0780
 Email: jacqui.harris@conocophillips.com

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

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

Project Name: Diamondback 22 State 2H (8 30 21)
 Project Number: 214634
 Project Location: Eddy Co, NM
 Sampler's Name: NH
 PO #:
 SAMPLE RECEIPT
 Received In tact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 43

Turn Around: Routine Rush
 Due Date: 72 hrs
 TAT starts the day received by the lab. If received by 4:30pm

Temp Blank: Yes No
 Thermometer ID: 128
 Wet Ice: Yes No
 Correction Factor: 10.5
 Temperature Reading: 3.8
 Corrected Temperature: 4.3

Parameters: BTEX 8021B, TPH 8015M (GRO + DRO + MRO), Chloride 300 0

Preservative Codes: None NO, Cool Cool, HCL HC, H2SO4 H2, H3PO4 HP, NaHSO4 NABIS, Na2S2O3 NaSO3, Zn Acetate+NaOH Zn, NaOH+Ascorbic Acid SARC

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
T-1 (0-1')	9/22/2021	-	X		G	1			
T-1 (1')	9/22/2021	-	X		G	1			
T-1 (2')	9/22/2021	-	X		G	1			
T-1 (3')	9/22/2021	-	X		G	1			
T-1 (4')	9/22/2021	-	X		G	1			
T-2 (0-1')	9/22/2021	-	X		G	1			
T-2 (1')	9/22/2021	-	X		G	1			
T-2 (2')	9/22/2021	-	X		G	1			
T-2 (3')	9/22/2021	-	X		G	1			
T-2 (4')	9/22/2021	-	X		G	1			

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
[Signature]	[Signature]	9/24/21 1332	[Signature]	[Signature]	



Chain of Custody

Work Order No: 6454
6453

Page 2 of 4

Project Manager:	Mike Carmora	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:	575 496 0780	Email:	jacqui.harris@conocophillips.com

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

Project Name:	Diamondback 22 State 2H (8 30 21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pass. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	214634	Due Date:	72 hrs				None NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC
Project Location:	Eddy Co, NM	TAT starts the day received by the lab If received by 4:30pm					
Sampler's Name:	NH	Well/lee	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
PO #:		Thermometer ID:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Received In-lab:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
Total Containers:							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
T-2 (5)	9/22/2021	-	X		G	1	BTEX 8021B	
T-3 (0-1)	9/22/2021	-	X		G	1	TPH 8015M (GRO + DRO + MRO)	
T-3 (1)	9/22/2021	-	X		G	1	Chloride 300 0	
T-3 (2)	9/22/2021	-	X		G	1		
T-3 (3)	9/22/2021	-	X		G	1		
T-4 (0-1)	9/22/2021	-	X		G	1		
T-4 (1)	9/22/2021	-	X		G	1		
T-4 (2)	9/22/2021	-	X		G	1		
T-4 (3)	9/22/2021	-	X		G	1		
T-4 (4)	9/22/2021	-	X		G	1		

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
<i>[Signature]</i>	<i>[Signature]</i>	9/24/21 1337			



Chain of Custody

Work Order No: 6454

6453

9/29/2021

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:	575 496 0780	Email:	jacqui.harris@conocophillips.com

Page 3 of 4

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

Project Name:	Diamondback 22 State 2H (8 30 21)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Press. Code	
Project Number:	214634	Due Date:	72 hrs		
Project Location:	Eddy Co. NM	TAT starts the day received by the lab if received by 4:30pm			
Sampler's Name:	NH	Temp Blank:	Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	(Yes) No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>
PO #:		Thermometer ID:	128	Correction Factor:	4.3
SAMPLE RECEIPT		Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	3.8
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	4.3
Total Containers:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes	Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0		
T-4 (5)	9/22/2021	-	X		G	1	X	X	X		
T-4 (6)	9/22/2021	-	X		G	1	X	X	X		
T-4 (7)	9/22/2021	-	X		G	1	X	X	X		
T-4 (8)	9/22/2021	-	X		G	1	X	X	X		
T-4 (9)	9/22/2021	-	X		G	1	X	X	X		
T-4 (10)	9/22/2021	-	X		G	1	X	X	X		
T-4 (11)	9/22/2021	-	X		G	1	X	X	X		
T-5 (0-1)	9/22/2021	-	X		G	1	X	X	X		
T-5 (1)	9/22/2021	-	X		G	1	X	X	X		
T-5 (2)	9/22/2021	-	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
<i>[Signature]</i>	<i>[Signature]</i>	9/24/21 1332			



Chain of Custody

Work Order No: 6454
4453

Page 4 of 4

Project Manager: Mike Carmona
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd
 City, State ZIP: Midland, TX 79706
 Phone: 575 496 0780

Bill to: (if different)
 Company Name: COG Operating LLC
 Address: 15 W Loving Rd
 City, State ZIP: Loving NM 88256
 Email: jacqui.harris@conocophillips.com

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

Project Name: Diamondback 22 State 2H (8 30 21)
 Project Number: 214634
 Project Location: Eddy Co, NM
 Sampler's Name: NH

Turn Around: Routine Rush
 Due Date: 72 hrs
 TAT starts the day received by the lab if received by 4:30pm

Temp Blank: Yes (No) No
 Received Infract: Yes (No) No
 Cooler Custody Seals: Yes (No) No
 Sample Custody Seals: Yes (No) No
 Total Containers: Corrected Temperature: 43

Parameters: BTEX 8021B, TPH 8015M (GRO + DRO + MRO), Chloride 300 0, HOLD

Preservative Codes: None NO, Cool Cool, HCL HC, H2SO4 H2, H3PO4 HP, NaHSO4 NABIS, Na2S2O3 NaSO3, Zn Acetate+NaOH Zn, NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
T-5 (3')	9/22/2021	-	X		G	1	X X X		
T-5 (4')	9/22/2021	-	X		G	1	X X X		
T-5 (5')	9/22/2021	-	X		G	1	X X X		
T-6 (0-1')	9/22/2021	-	X		G	1	X X X		
T-6 (1')	9/22/2021	-	X		G	1	X X X		
T-6 (2')	9/22/2021	-	X		G	1	X X X		
T-6 (3')	9/22/2021	-	X		G	1	X X X		
T-6 (4')	9/22/2021	-	X		G	1	X X X		
T-6 (5')	9/22/2021	-	X		G	1	X X X		
T-6 (6')	9/22/2021	-	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
<i>[Signature]</i>	<i>[Signature]</i>	9/22/21 1332			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-6454-1

SDG Number: Eddy Co.,NM

Login Number: 6454

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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

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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 95632

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 95632
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. The variance for a liner is approved. Composite confirmation samples need to be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	4/20/2022