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	nAPP2135152045
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Catena Resources Operating, LLC	OGRID 328449
Contact Name Cato Clark	Contact Telephone 346-200-7894
Contact email clark@catenares.com	Incident # *(assigned by OCD)* nAPP2135152045
Contact mailing address 1001 Fannin St., Suite 2200, Houston, TX 77002	

Location of Release Source

Latitude 32.716568 Longitude -103.4334793
(NAD 83 in decimal degrees to 5 decimal places)

Site Name South Vacuum Unit 265	Site Type Facility
Date Release Discovered 7/9/2019	API# *(if applicable)* 30-025-37035

Unit Letter	Section	Township	Range	County
L	26	18S	35E	Lea

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)

☑ Crude Oil	Volume Released (bbls) 7	Volume Recovered (bbls) 0
☑ Produced Water	Volume Released (bbls) 63	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Failure of equipment at the vessels.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135152045
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Yes, the release was greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? N/A	

Initial Response

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

- ☑ The source of the release has been stopped.
- ☑ The impacted area has been secured to protect human health and the environment.
- ☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Cato Clark Title: Vice President Land

Signature: Date: 1/10/22

email: clark@catenares.com Telephone: 346-200-7894

OCD Only

Received by: Date:

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

April 28, 2022

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

Re: **Work Plan**
South Vacuum Unit 265
Catena Resources, LLC
Site Location: Unit L, S27, T18S, R35E
(Lat 32.716568º, Long -103.4334793°)
Lea County, New Mexico
Incident # nAPP2135152045

Dear Mr. Bratcher:

On behalf of Catena Resources, LLC, New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities related to a release at the South Vacuum Unit 265 location (Site) on July 9, 2019. The Site is located in Lea County approximately 17.8 miles West of Hobbs, 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 July 9, 2019 and was a result of equipment failure at the Site. The equipment failure resulted in the release of approximately 7 barrels (bbls) of crude oil and 63 bbls of produced water of which 0 bbls were recovered. The release area is shown on Figure 3. A copy of the initial C-141 form is attached.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) databases, 4 known water sources are located within a ½ mile radius of the Site; however, none of the wells were drilled in the past 25 years. The nearest identified well was drilled in 1971 and is located approximately 0.06 miles east of the Site. The well has a reported depth to groundwater of 60 feet below ground surface (ft bgs). A copy of the site characterization information and associated *Point of Diversion Summary* report for the nearest water well is attached.

On April 19, 2022, Scarborough Drilling, Inc was contracted to install a soil boring to assess the presence and depth of groundwater in the vicinity of the Site. A single boring (GWDB) was installed to a depth of 60 ft bgs at the South Vacuum 353 location approximately 0.5 mile south of the Site. The soil boring was left open for 72 hours and a water level meter was placed into the soil boring to access the presence of water. No water was detected at 60 ft bgs. The soil boring location is shown on Figure 2. A boring log depicting the encountered lithology is attached.

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 October 20, 2021, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of 6 sample points (S-1 through S-6) were installed within the release area to characterize the impacts. Additionally, 8 horizontal delineation sample points (H-1 through H-8) were installed to define the extent of impacts. All soil samples were collected from the 0 – 0.5 ft bgs depth interval with a geotechnical handauger. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

Analytical results from the initial assessment activities identified elevated TPH and/or chloride concentrations in all samples collected from the release area except sample point S-1 and S-4. Additionally, TPH concentrations in soil samples H-1, H-2, and H-3 were also above the regulatory limits. The horizontal and vertical extent of impacts was not defined and further assessment was required.

Follow-On Sampling - Trenches

On December 8, 2021, NTGE conducted follow-on sampling activities to vertically delineate soil impacts in the release area and to horizontally delineate soil impacts in the areas of H-2 and H-3. In the areas of S-2, S-3, S-5, and S-6, trenches were installed to depths ranging from 1 – 3 ft bgs with a backhoe and soil samples were collected in 1 ft depth intervals. Samples were collected directly from the center of the backhoe bucket to prevent cross contamination. Backhoe refusal due to the presence of dense bedrock was encountered at the total depth of each trench.

The additional soil samples collected from the areas of H-2 and H-3 to horizontally delineate the soil impacts in these areas were collected with a geotechnical handauger. Soil samples were collected from the 0 – 0.5 ft bgs depth interval. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

Analytical results from the trench sampling activities indicated that the vertical delineation of impacts was not achieved in the areas of S-2/T-1, S-3/T-2, S-5/T-3, or S-6/T-4. The impacted extended to the total depths of each trench. Further assessment was required to assess the vertical extent of impacts.

Analytical results from the additional horizontal delineation sampling in the areas of H-2 and H-3 indicate the horizontal extent of impacts were defined in these areas. However, further horizontal delineation sampling is required in the area of H-1.

Follow-On Sampling – Soil Boring Installations

On February 8, 2022, NTGE conducted additional follow-on sampling activities to vertically delineate soil impacts in the release area. A total of 3 soil borings (BH-1 - BH-3) were installed using a geoprobe drilling unit using direct push technology. The soil borings were advanced to depths ranging from 4 - 6 ft bgs and soil samples were collected in one foot depth intervals from each soil boring.

Analytical results from the soil boring installations indicated that vertical delineation was achieved at 5 ft bgs in BH-1 and 2 ft bgs in BH-2. No analytes were detected about the regulatory limit in BH-3. Impacts at the Site are vertically delineated.

Proposed Work Plan

Based on the analytical results, Catena 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 Figure 4.

- The areas of S-2/T1/BH-1 will be excavated to a depth of 4 ft bgs and backfilled with clean material to grade.
- The area of S-3/T2/BH-2 will be excavated to a depth of 3 ft bgs and backfilled with clean material to grade.
- The area of S-5/T3/BH-3 and S-6/T-4 will be excavated to a depth of 2 ft bgs and backfilled with clean material to grade.

The horizontal delineation in the area of HS-1 will be collected during remedial actions. Soil will be field screened during excavation and final excavation depths may vary depending on field screening activities. Composite confirmation excavation base and sidewalls samples will be collected every 200 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.

Closing

The remediation will be implemented within 90 days of work plan approval. It is estimated that approximately 2,410± cubic yards (yd^3) of soil will be excavated and hauled to disposal. 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 432.685.3868.

Sincerely,
NTG Environmental

Gordon Banks, REM, CSEM, CESCO
Project Manager

Attachments: Table
Figures
Boring Log
Photographic Log
Site Characterization Information
C-141
Laboratory Report and Chain-of-Custody Documents

Table

Table 1 - Soil Analytical Results
Catena Resources, LLC
South Vacuum Unit 265
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrocarbons (mg/kg)					Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	ORO	DRO+ORO	Total						
Vertical Delineation Samples													
S-1	10/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	306
S-2	10/20/2021	0-0.5'	<49.9	61.8	<49.9	<49.9	61.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30,200
Trench 1	12/8/2021	0-1'	<20.0	1,080	864	**1,944**	**1,944**	<0.025	<0.025	<0.025	<0.025	<0.025	41,100
		1'	<20.0	5,330	3,490	**8,820**	**8,820**	<0.025	<0.025	<0.025	<0.025	<0.025	38,500
		2'	<20.0	227	174	401	401	<0.025	<0.025	<0.025	<0.025	<0.025	20,100
		3'	46.0	3,870	1,170	**5,040**	**5,086**	<0.025	0.0318	<0.025	0.756	0.7878	15,000
BH-1	2/8/2022	(0-1')	<50.0	55.9	<50.0	<50.0	55.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41,500
		(1-2')	<49.9	80.7	<49.9	<49.9	80.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	19,500
		(2-3')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,470
		(3-4')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,680
		(4-5')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,190
		(5-6')	<49.8	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.5
S-3	10/20/2021	0-0.5'	<50.0	2,350	<50.0	<50.0	2,350	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,700
Trench 2	12/8/2021	0-1'	<20.0	301	328	629	629	<0.025	<0.025	<0.025	<0.025	<0.025	5,000
		1'	24.3	4,270	2,380	**6,650**	**6,674**	<0.025	<0.025	0.0639	0.433	0.4969	12,400
BH-2	2/8/2022	(0-1')	<49.9	735	<49.9	<49.9	735	<0.00199	0.00858	0.0419	0.108	0.15848	10,700
		(1-2')	<50.0	324	<50.0	<50.0	324	<0.00200	0.00296	0.02	0.049	0.07196	5,150
		(2-3')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,470
		(3-4')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	32.2
S-4	10/20/2021	0-0.5	<50.0	88.1	<50.0	<50.0	88.1	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	130
S-5	10/20/2021	0-0.5'	<49.8	3,310	<49.8	**3,310**	**3,310**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,700
Trench 3	12/8/2021	0-1'	<20.0	1,630	2,220	**3,850**	**3,850**	<0.025	<0.025	<0.025	<0.025	<0.025	1,590
		1'	<20.0	986	2,010	**2,996**	**2,996**	<0.025	<0.025	<0.025	<0.025	<0.025	551
BH-3	2/8/2022	(0-1')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	55
		(1-2')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	506
		(2-3')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	578
		(3-4')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	24
S-6	10/20/2021	0-0.5'	<50.0	4,040	<50.0	<50.0	**4,040**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,380
Trench 4	12/8/2021	0-1'	<20.0	17,000	12,700	**29,700**	**29,700**	<0.025	<0.025	<0.025	<0.025	<0.025	3,350
		1'	<20.0	6,350	3,800	**10,150**	**10,150**	<0.025	<0.025	<0.025	<0.025	<0.025	2,640

Table 1 - Soil Analytical Results
Catena Resources, LLC
South Vacuum Unit 265
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrocarbons (mg/kg)					Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	ORO	DRO+ORO	Total						
Horizontal Delineation Samples													
H-1	10/20/2021	0-0.5'	<49.8	391	<49.8	<49.8	391	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	18.3
H-2	10/20/2021	0-0.5'	<50.0	169	<50.0	<50.0	169	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.9
H-2 (b)	12/8/2021	0-0.5'	<20.0	42.2	56.3	98.5	98.5	<0.025	<0.025	<0.025	<0.025	<0.025	49.5
H-3	10/20/2021	0-0.5'	<49.9	115	<49.9	<49.9	115	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	35.5
H-3 (b)	12/8/2021	0-0.5'	<20.0	41.3	57.7	99.0	99.0	<0.025	<0.025	<0.025	<0.025	<0.025	41.6
H-4	10/20/2021	0-0.5'	<49.9	89.1	<49.9	<49.9	89.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	29.6
H-5	10/20/2021	0-0.5'	<49.9	57.0	<49.9	<49.9	57.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9.58
H-6	10/20/2021	0-0.5'	<49.9	69.1	<49.9	<49.9	69.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	36.6
H-7	10/20/2021	0-0.5'	<49.9	74.7	<49.9	<49.9	74.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	43.4
H-8	10/20/2021	0-0.5'	<49.9	75.8	<49.9	<49.9	75.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	57.6
Regulatory Limits[A]			-	-	-	**1,000**	**2,500**	**10**	-	-	-	**50 mg/kg**	**10,000**

- exceeds regulatory limit

- below regulatory limit; however, will be excavated.

mg/kg - milligram per kilogram

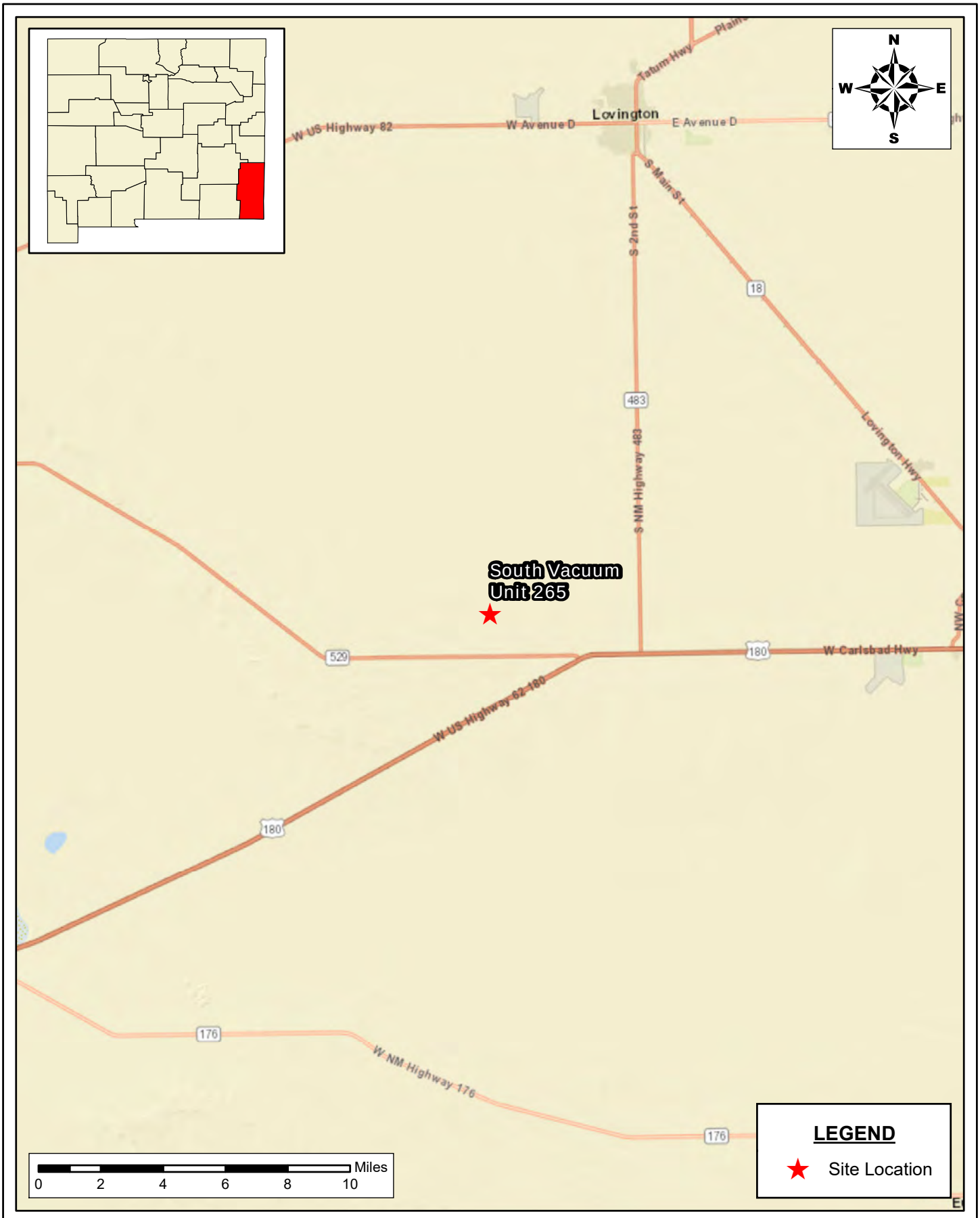
GRO - gasoline range organics

DRO - diesel range organics

ORO - oil range organics

A – Table 1 - 19.15.29 NMAC

Figures



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SITE LOCATION MAP
CATENA RESOURCES, LLC
SOUTH VACUUM UNIT 265
LEA COUNTY, NEW MEXICO
32.716568 -103.4334793

SCALE: As Shown | Date: 12/8/2021 | PROJECT #: 214800

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

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214800 South Vacuum Unit 265\7 - Figures\GIS\Figure_2_AMap_04272022.mxd

AREA MAP
CATENA RESOURCES, LLC
SOUTH VACUUM UNIT 265
LEA COUNTY, NEW MEXICO
32.716568°, -104.4334793°

SCALE: As Shown	Date: 4/27/2022	PROJECT #: 214800

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

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

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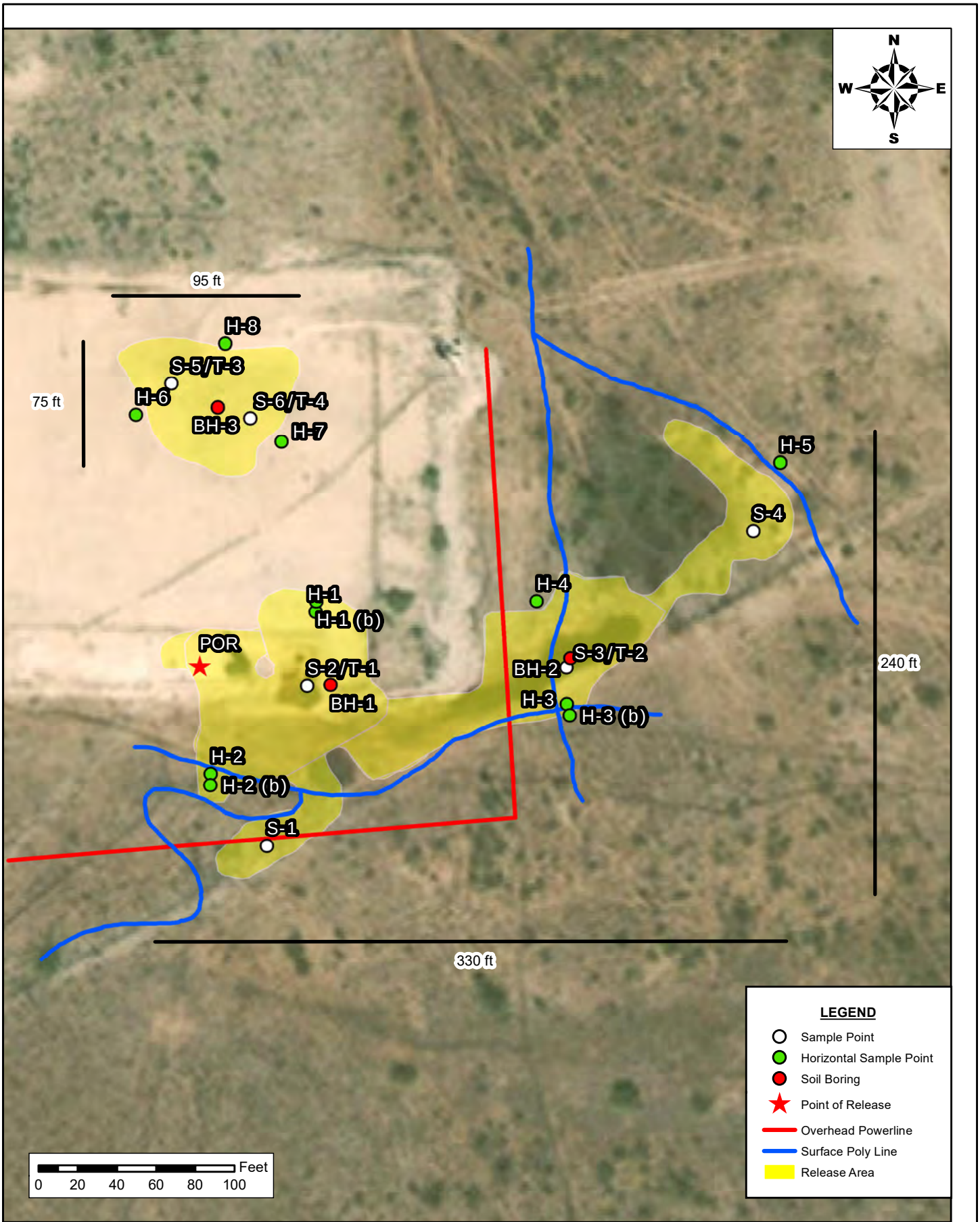
FIGURE 2
SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP
CATENA RESOURCES, LLC
SOUTH VACUUM UNIT #265
LEA COUNTY, NEW MEXICO
32.716568°, -104.4334793°

SCALE: As Shown | Date: 3/15/2022 | PROJECT #: 214800

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

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

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FIGURE 3
SHEET NUMBER:
1 of 1

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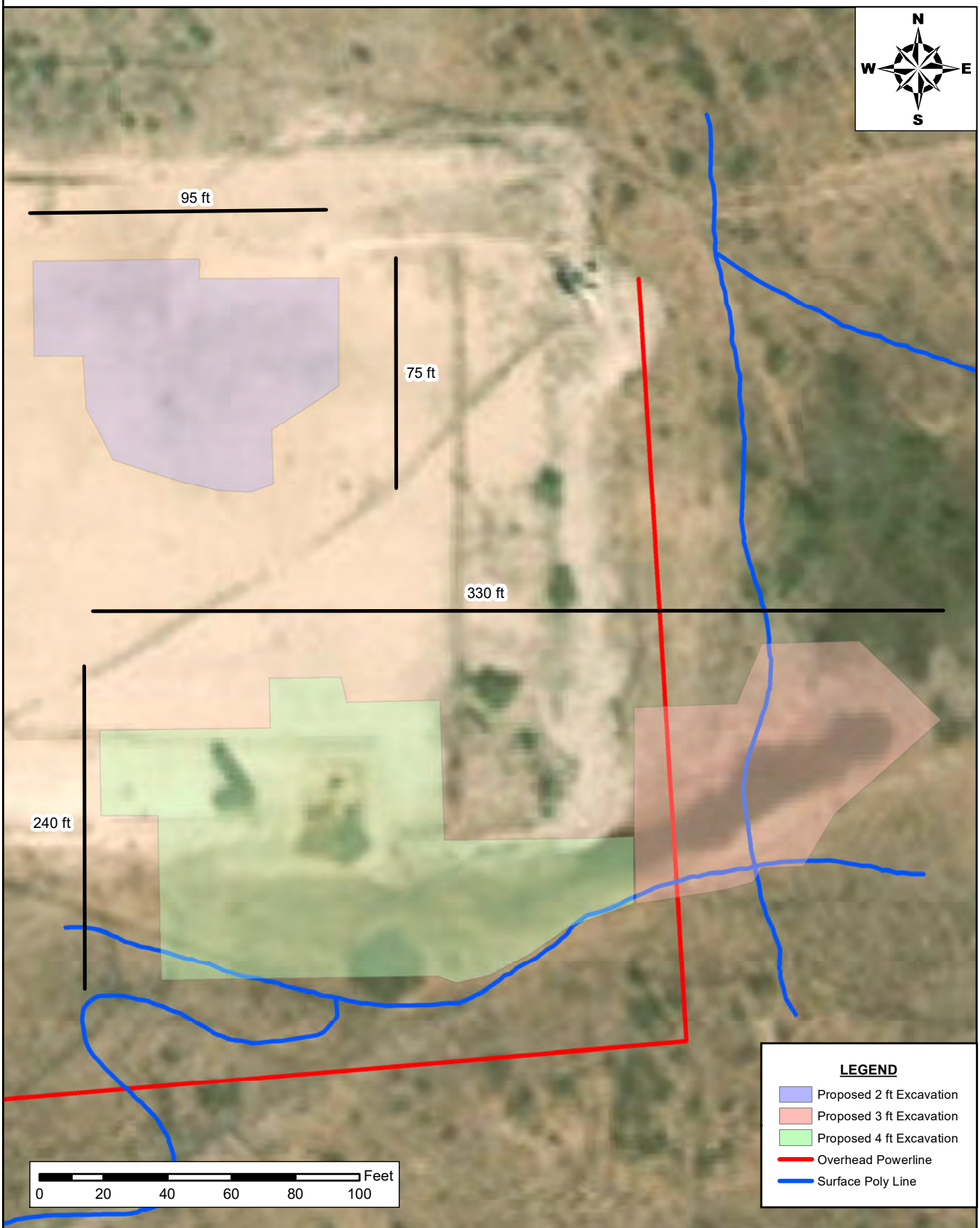

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PROPOSED EXCAVATION MAP
CATENA RESOURCES, LLC
SOUTH VACUUM UNIT #265
LEA COUNTY, NEW MEXICO
32.716568°, -104.4334793°

SCALE: As Shown | Date: 4/27/2022 | PROJECT #: 214800

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

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

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

Boring Log

NTG ENVIRONMENTAL

Project Name :	**Catena - South Vacuum Unit 265**	**Date :**	**April 19, 2022**
Project No. :	**214800**	**Sampler :**	**Nick Hart**
Location :	**Lea Co, New Mexico**		
Coordinates :	**32.7064056°, -103.4246445°**	**Driller :**	**Scarborough Drilling**
Elevation :	**1156 M**	**Method :**	**Air Rotary**

Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Dark reddish brown, well graded gravel with <50% coarse sand and caliche. No clay plasticity present. (GW). Dry	
5			
10			
15		(14') - Yellowish orange to light brown, coarse - medium grained sand with <50% coarse grained, well cemented caliche/chert. (SP). Dry	
20			
25			
30		(29') - Yellowish orange to light reddish brown, very soft fine to medium grained, rounded to subangular clean loose sand with (0%) gravel present. Sandy SILT. (ML). Moist	
35			
40			
45			
50			

Depth (ft.)	WL	Soil Description	Lithology
50		(50') - Yellowish orange to light reddish brown, very soft fine to medium grained, rounded to subangular clean loose sand with (0%) gravel present. Sandy SILT. (ML). Moist	
55			
60			
65			
70			
75			
80			
85			
90			
95			
100			

Comments : *Total Depth 60' bgs*
Drilling Terminated @ 13:00 CT No groundwater present

On 04/22/2022 No groundwater present

Photographic Log

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 1

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking northwest of sample point S-2.

Photograph No. 2

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking east of sample point S-3.

Photograph No. 3

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking northeast of sample points S-3 and H-4.

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 4

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking southwest of sample points H-5 and S-4.

Photograph No. 5

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking southwest of sample points S-3, H-4, and H-3.

Photograph No. 6

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking south of sample point H-3.

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 7

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking west of sample points S-1, and H-2.

Photograph No. 8

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

Description:
View looking south of sample points H-1, and S-2.

Photograph No. 9

Facility: South Vacuum Unit 265

County: Lea County, New Mexico

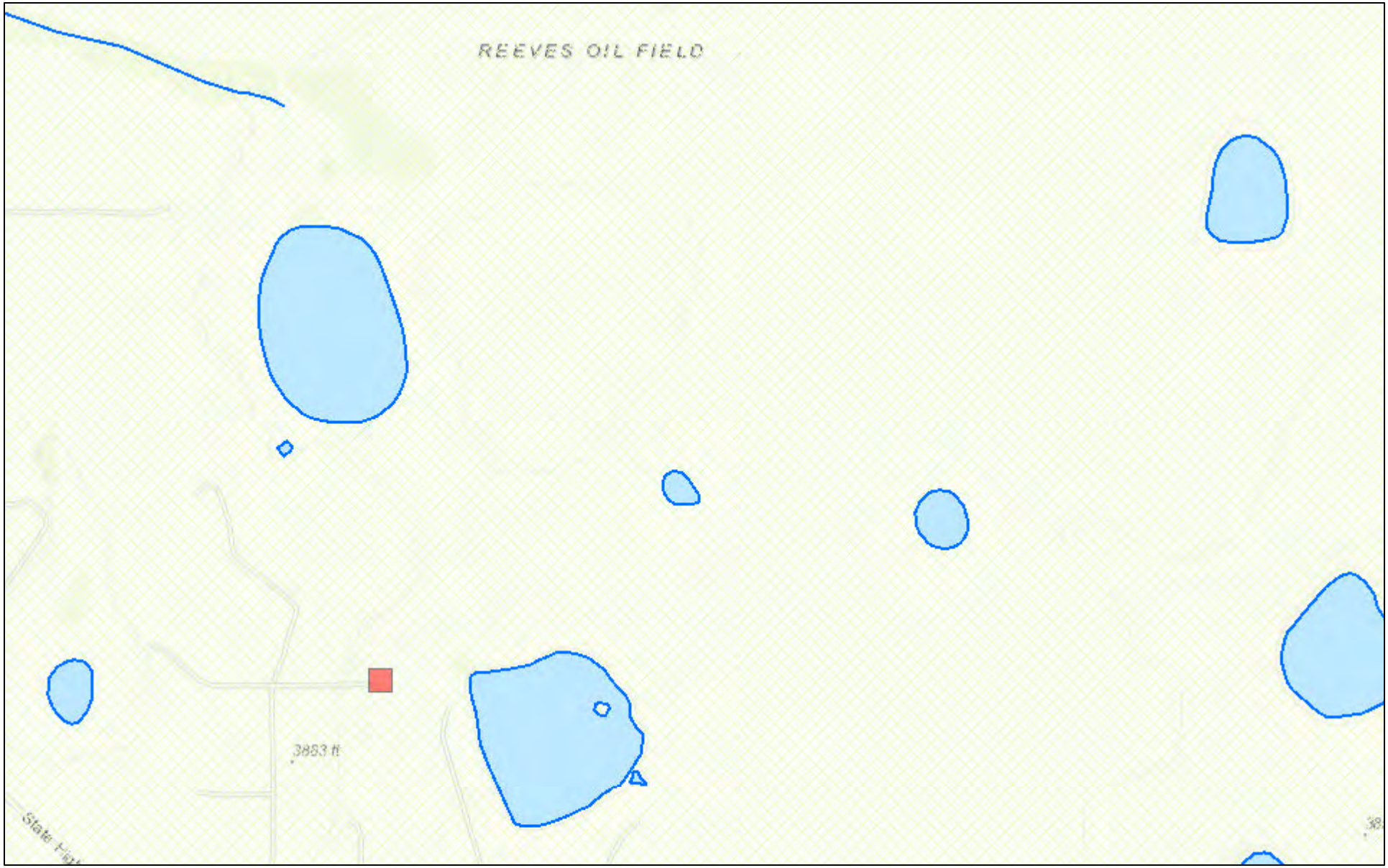
Description:
View looking west of sample points S-5, S-6, H-6, H-7, and H-8.

Site Characterization Information

Low Karst

Catena Resources Operating, LLC

New Mexico NFHL Data



October 26, 2021

1:18,056

0 0.15 0.3 0.6 mi

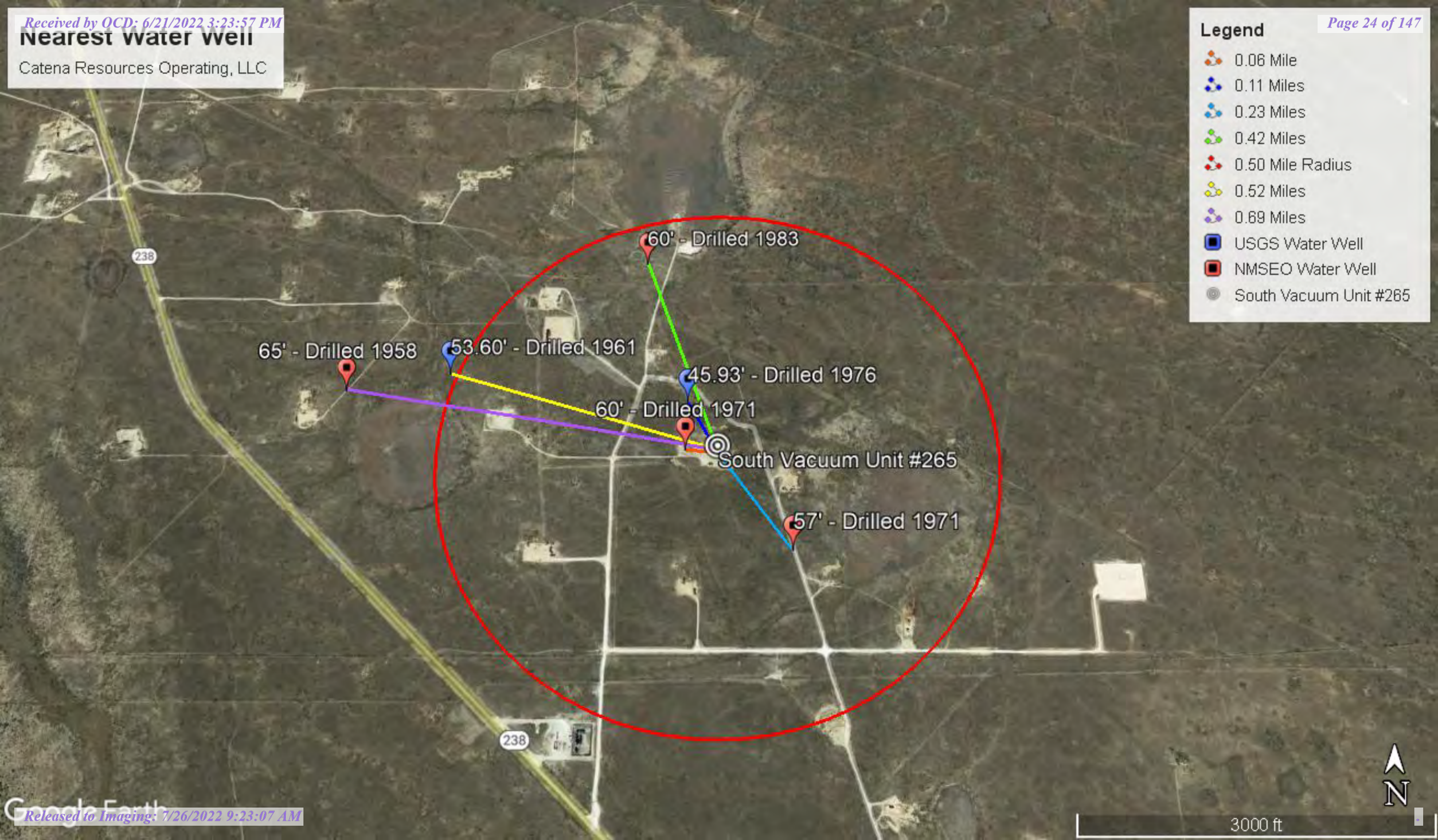
0 0.25 0.5 1 km

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

nmflood.org is made possible through a collaboration with NMDHSEM, EDAC, and FEMA
This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

Nearest Water Well

Catena Resources Operating, LLC



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	L 06868	1	4	3	26	18S	35E	647026	3620666*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date:	10/30/1971	**Drill Finish Date:**	11/01/1971	**Plug Date:**	08/21/1972
Log File Date:	11/03/1971	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.63	**Depth Well:**	110 feet	**Depth Water:**	57 feet

Water Bearing Stratifications:	Top	Bottom	Description
	57	110	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	68	110

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 06869		1	3	26	18S	35E	646717	3620966*

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

Driller License: 531 **Driller Company:** GRIFFIN WATER WELL SERVICE

Driller Name:

Drill Start Date:	11/09/1971	**Drill Finish Date:**	11/11/1971	**Plug Date:**	12/21/1972
Log File Date:	11/16/1971	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	125 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	105	125

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
NA	L 09373	3	1	1	26	18S	35E	646580	3621579

Driller License:	208	**Driller Company:**	VAN NOY, W.L.		
Driller Name:	VAN NOY, W.L.				
Drill Start Date:	11/14/1983	**Drill Finish Date:**	11/19/1983	**Plug Date:**	
Log File Date:	12/02/1983	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.63	**Depth Well:**	120 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	20	120	Other/Unknown

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64 Q16 Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	L 03783		27	18S	35E	645710	3621138*

Driller License:	99	**Driller Company:**	O.R. MUSSELWHITE WATER WELL SE		
Driller Name:	MUSSELWHITE, O.R.				
Drill Start Date:	02/10/1958	**Drill Finish Date:**	02/11/1958	**Plug Date:**	08/26/1958
Log File Date:	05/01/1958	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	115 feet	**Depth Water:**	65 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	105	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	115

***UTM location was derived from PLSS - see Help**

Click to hideNews 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 Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324305103260401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324305103260401 18S.35E.26.11330

Lea County, New Mexico
Latitude 32°43'05", Longitude 103°26'04" NAD27
Land-surface elevation 3,882 feet above NAVD88
The depth of the well is 80 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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 of measurement	? Water-level approval status
1971-01-20		D	62610		3834.42	NGVD29	3	Z			A
1971-01-20		D	62611		3835.99	NAVD88	3	Z			A
1971-01-20		D	72019	46.01			3	Z			A
1976-02-10		D	62610		3834.50	NGVD29	1	Z			A
1976-02-10		D	62611		3836.07	NAVD88	1	Z			A
1976-02-10		D	72019	45.93			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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: 2021-10-26 13:58:27 EDT
0.35 0.31 nadww01

Click to hideNews Bulletins

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324308103263101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324308103263101 18S.35E.27.21321

Lea County, New Mexico
Latitude 32°43'08", Longitude 103°26'31" NAD27
Land-surface elevation 3,871 feet above NAVD88
The depth of the well is 127 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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 of measurement	? Water-level approval status
1961-02-16		D	62610		3815.83	NGVD29	1	Z			A
1961-02-16		D	62611		3817.40	NAVD88	1	Z			A
1961-02-16		D	72019	53.60			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
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

C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2135152045
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Catena Resources Operating, LLC	OGRID 328449
Contact Name Cato Clark	Contact Telephone 346-200-7894
Contact email clark@catenares.com	Incident # *(assigned by OCD)* nAPP2135152045
Contact mailing address 1001 Fannin St., Suite 2200, Houston, TX 77002	

Location of Release Source

Latitude 32.716568 Longitude -103.4334793
(NAD 83 in decimal degrees to 5 decimal places)

Site Name South Vacuum Unit 265	Site Type Facility
Date Release Discovered 7/9/2019	API# *(if applicable)* 30-025-37035

Unit Letter	Section	Township	Range	County
L	26	18S	35E	Lea

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)

☑ Crude Oil	Volume Released (bbls) 7	Volume Recovered (bbls) 0
☑ Produced Water	Volume Released (bbls) 63	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Failure of equipment at the vessels.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135152045
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Yes, the release was greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? N/A	

Initial Response

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

- ☑ The source of the release has been stopped.
- ☑ The impacted area has been secured to protect human health and the environment.
- ☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Cato Clark Title: Vice President Land

Signature: Date: 1/10/22

email: clark@catenares.com Telephone: 346-200-7894

OCD Only

Received by: Ramona Marcus Date: 1/31/2022

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

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 74884
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	1/31/2022

Laboratory Reports and Chain-of-Custody Documents

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-7523-1
Laboratory Sample Delivery Group: Lea Co NM
Client Project/Site: South Vaccum Unit 265

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKramer

Authorized for release by:
11/2/2021 3:40:43 PM

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

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

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

Client: NT Global
Project/Site: South Vaccum Unit 265

Laboratory Job ID: 880-7523-1
SDG: Lea Co NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Job ID: 880-7523-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7523-1

Receipt
The samples were received on 10/25/2021 10:50 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 2.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10446 and analytical batch 880-10683 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-10743 and analytical batch 880-10944 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-10743 and analytical batch 880-10944 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-10744 and analytical batch 880-10950 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

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

Lab Sample ID: 880-7523-1
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:13	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:13	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:13	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		10/25/21 14:32	10/28/21 10:13	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:13	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		10/25/21 14:32	10/28/21 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/25/21 14:32*	*10/28/21 10:13*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/25/21 14:32*	*10/28/21 10:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/28/21 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/29/21 20:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/29/21 20:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/29/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/29/21 09:34*	*10/29/21 20:58*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/29/21 09:34*	*10/29/21 20:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**306**		4.95		mg/Kg			10/29/21 14:54	1

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-7523-2
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 10:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/25/21 14:32*	*10/28/21 10:34*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/25/21 14:32*	*10/28/21 10:34*	*1*

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-7523-2
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**61.8**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/29/21 21:58	1
Diesel Range Organics (Over C10-C28)	**61.8**		49.9		mg/Kg		10/29/21 09:34	10/29/21 21:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/29/21 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/29/21 09:34*	*10/29/21 21:58*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/29/21 09:34*	*10/29/21 21:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30200**		248		mg/Kg			10/29/21 15:01	50

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-7523-3
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 10:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 10:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/25/21 14:32*	*10/28/21 10:55*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/25/21 14:32*	*10/28/21 10:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2350**		50.0		mg/Kg			10/29/21 13:53	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	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 22:18	1
Diesel Range Organics (Over C10-C28)	**2350**		50.0		mg/Kg		10/29/21 09:34	10/29/21 22:18	1

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-7523-3
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/29/21 09:34*	*10/29/21 22:18*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/29/21 09:34*	*10/29/21 22:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9700**		100		mg/Kg			10/29/21 15:09	20

Client Sample ID: S-4 (0-6")

Lab Sample ID: 880-7523-4
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 11:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 11:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 11:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/25/21 14:32	10/28/21 11:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 11:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/25/21 14:32	10/28/21 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/25/21 14:32*	*10/28/21 11:16*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/25/21 14:32*	*10/28/21 11:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**88.1**		50.0		mg/Kg			10/29/21 13:53	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	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 22:38	1
Diesel Range Organics (Over C10-C28)	**88.1**		50.0		mg/Kg		10/29/21 09:34	10/29/21 22:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/29/21 09:34*	*10/29/21 22:38*	*1*
o-Terphenyl	*94*		*70 - 130*	*10/29/21 09:34*	*10/29/21 22:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		4.99		mg/Kg			10/29/21 15:16	1

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: S-5 (0-6")

Lab Sample ID: 880-7523-5
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/25/21 14:32	10/28/21 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/25/21 14:32	10/28/21 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/25/21 14:32*	*10/28/21 11:36*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/25/21 14:32*	*10/28/21 11:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3310**		49.8		mg/Kg			10/29/21 13:53	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		10/29/21 09:34	10/29/21 22:57	1
Diesel Range Organics (Over C10-C28)	**3310**		49.8		mg/Kg		10/29/21 09:34	10/29/21 22:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/21 09:34	10/29/21 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/29/21 09:34*	*10/29/21 22:57*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/29/21 09:34*	*10/29/21 22:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2700**		25.0		mg/Kg			10/29/21 15:23	5

Client Sample ID: S-6 (0-6")

Lab Sample ID: 880-7523-6
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/25/21 14:32	10/28/21 11:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 11:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/25/21 14:32	10/28/21 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/25/21 14:32*	*10/28/21 11:57*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/25/21 14:32*	*10/28/21 11:57*	*1*

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: S-6 (0-6")

Lab Sample ID: 880-7523-6
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4040**		50.0		mg/Kg			10/29/21 13:53	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	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 23:17	1
Diesel Range Organics (Over C10-C28)	**4040**		50.0		mg/Kg		10/29/21 09:34	10/29/21 23:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/29/21 09:34*	*10/29/21 23:17*	*1*
o-Terphenyl	*95*		*70 - 130*	*10/29/21 09:34*	*10/29/21 23:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6380**		25.0		mg/Kg			10/29/21 15:30	5

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-7523-7
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 12:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 12:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 12:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/25/21 14:32	10/28/21 12:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 12:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/25/21 14:32	10/28/21 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*10/25/21 14:32*	*10/28/21 12:18*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/25/21 14:32*	*10/28/21 12:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**391**		49.8		mg/Kg			10/29/21 13:53	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		10/29/21 09:34	10/29/21 23:37	1
Diesel Range Organics (Over C10-C28)	**391**		49.8		mg/Kg		10/29/21 09:34	10/29/21 23:37	1

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Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-7523-7
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/21 09:34	10/29/21 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/29/21 09:34*	*10/29/21 23:37*	*1*
o-Terphenyl	*84*		*70 - 130*	*10/29/21 09:34*	*10/29/21 23:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.3**	**F1**	4.95		mg/Kg			11/02/21 01:27	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-7523-8
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 12:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 12:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 12:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 12:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 12:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/25/21 14:32*	*10/28/21 12:39*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/25/21 14:32*	*10/28/21 12:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**169**		50.0		mg/Kg			10/29/21 13:53	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	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 23:57	1
Diesel Range Organics (Over C10-C28)	**169**		50.0		mg/Kg		10/29/21 09:34	10/29/21 23:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/29/21 09:34*	*10/29/21 23:57*	*1*
o-Terphenyl	*90*		*70 - 130*	*10/29/21 09:34*	*10/29/21 23:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.9**		5.01		mg/Kg			11/02/21 01:48	1

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-7523-9
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/21 14:32	10/28/21 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/21 14:32	10/28/21 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/25/21 14:32*	*10/28/21 13:00*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/25/21 14:32*	*10/28/21 13:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**115**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 00:18	1
Diesel Range Organics (Over C10-C28)	**115**		49.9		mg/Kg		10/29/21 09:34	10/30/21 00:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*10/29/21 09:34*	*10/30/21 00:18*	*1*
o-Terphenyl	*90*		*70 - 130*	*10/29/21 09:34*	*10/30/21 00:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.5**		4.98		mg/Kg			11/02/21 01:55	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-7523-10
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/21 14:32	10/28/21 13:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 13:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/21 14:32	10/28/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/25/21 14:32*	*10/28/21 13:20*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/25/21 14:32*	*10/28/21 13:20*	*1*

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Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-7523-10
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**89.1**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 00:38	1
Diesel Range Organics (Over C10-C28)	**89.1**		49.9		mg/Kg		10/29/21 09:34	10/30/21 00:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/29/21 09:34*	*10/30/21 00:38*	*1*
o-Terphenyl	*93*		*70 - 130*	*10/29/21 09:34*	*10/30/21 00:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.6**		4.95		mg/Kg			11/02/21 02:03	1

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-7523-11
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 14:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 14:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 14:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/25/21 14:32	10/28/21 14:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 14:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/25/21 14:32	10/28/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/25/21 14:32*	*10/28/21 14:45*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/25/21 14:32*	*10/28/21 14:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.0**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 01:19	1
Diesel Range Organics (Over C10-C28)	**57.0**		49.9		mg/Kg		10/29/21 09:34	10/30/21 01:19	1

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Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-7523-11
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/29/21 09:34*	*10/30/21 01:19*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/29/21 09:34*	*10/30/21 01:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.58**		4.96		mg/Kg			11/02/21 02:10	1

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-7523-12
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/25/21 14:32	10/28/21 15:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/25/21 14:32	10/28/21 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/25/21 14:32*	*10/28/21 15:06*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/25/21 14:32*	*10/28/21 15:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.1**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 01:40	1
Diesel Range Organics (Over C10-C28)	**69.1**		49.9		mg/Kg		10/29/21 09:34	10/30/21 01:40	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/29/21 09:34*	*10/30/21 01:40*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/29/21 09:34*	*10/30/21 01:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.6**		5.04		mg/Kg			11/02/21 02:31	1

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-7 (0-6")

Lab Sample ID: 880-7523-13
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/25/21 14:32	10/28/21 15:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 15:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/25/21 14:32	10/28/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/25/21 14:32*	*10/28/21 15:26*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/25/21 14:32*	*10/28/21 15:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.7**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 02:21	1
Diesel Range Organics (Over C10-C28)	**74.7**		49.9		mg/Kg		10/29/21 09:34	10/30/21 02:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/29/21 09:34*	*10/30/21 02:21*	*1*
o-Terphenyl	*81*		*70 - 130*	*10/29/21 09:34*	*10/30/21 02:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.4**		4.95		mg/Kg			10/30/21 15:36	1

Client Sample ID: H-8 (0-6")

Lab Sample ID: 880-7523-14
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 15:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 15:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 15:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/25/21 14:32	10/28/21 15:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:32	10/28/21 15:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/25/21 14:32	10/28/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/25/21 14:32*	*10/28/21 15:47*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/25/21 14:32*	*10/28/21 15:47*	*1*

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-8 (0-6")

Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7523-14

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**75.8**		49.9		mg/Kg			10/29/21 13:53	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	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 02:01	1
Diesel Range Organics (Over C10-C28)	**75.8**		49.9		mg/Kg		10/29/21 09:34	10/30/21 02:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:34	10/30/21 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/29/21 09:34*	*10/30/21 02:01*	*1*
o-Terphenyl	*76*		*70 - 130*	*10/29/21 09:34*	*10/30/21 02:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.6**		5.00		mg/Kg			10/30/21 15:43	1

Surrogate Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-7523-1	S-1 (0-6")	96	107										
880-7523-1 MS	S-1 (0-6")	89	81										
880-7523-1 MSD	S-1 (0-6")	106	100										
880-7523-2	S-2 (0-6")	95	103										
880-7523-3	S-3 (0-6")	95	112										
880-7523-4	S-4 (0-6")	101	108										
880-7523-5	S-5 (0-6")	96	113										
880-7523-6	S-6 (0-6")	93	115										
880-7523-7	H-1 (0-6")	94	112										
880-7523-8	H-2 (0-6")	95	112										
880-7523-9	H-3 (0-6")	128	114										
880-7523-10	H-4 (0-6")	97	114										
880-7523-11	H-5 (0-6")	93	110										
880-7523-12	H-6 (0-6")	91	110										
880-7523-13	H-7 (0-6")	93	108										
880-7523-14	H-8 (0-6")	101	115										
LCS 880-10446/1-A	Lab Control Sample	100	91										
LCSD 880-10446/2-A	Lab Control Sample Dup	100	89										
MB 880-10435/5-A	Method Blank	109	105										
MB 880-10446/5-A	Method Blank	114	103										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-7523-1	S-1 (0-6")	90	95										
880-7523-1 MS	S-1 (0-6")	97	83										
880-7523-1 MSD	S-1 (0-6")	100	89										
880-7523-2	S-2 (0-6")	91	95										
880-7523-3	S-3 (0-6")	106	115										
880-7523-4	S-4 (0-6")	93	94										
880-7523-5	S-5 (0-6")	88	87										
880-7523-6	S-6 (0-6")	96	95										
880-7523-7	H-1 (0-6")	85	84										
880-7523-8	H-2 (0-6")	89	90										
880-7523-9	H-3 (0-6")	89	90										
880-7523-10	H-4 (0-6")	91	93										
880-7523-11	H-5 (0-6")	90	96										
880-7523-12	H-6 (0-6")	85	87										
880-7523-13	H-7 (0-6")	84	81										
880-7523-14	H-8 (0-6")	80	76										
LCS 880-10910/2-A	Lab Control Sample	116	116										
LCSD 880-10910/3-A	Lab Control Sample Dup	138 S1+	111										
MB 880-10910/1-A	Method Blank	116	126										

Surrogate Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10435/5-A
Matrix: Solid
Analysis Batch: 10683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:01	10/27/21 15:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:01	10/27/21 15:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:01	10/27/21 15:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/21 14:01	10/27/21 15:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:01	10/27/21 15:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/21 14:01	10/27/21 15:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/25/21 14:01*	*10/27/21 15:35*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/25/21 14:01*	*10/27/21 15:35*	*1*

Lab Sample ID: MB 880-10446/5-A
Matrix: Solid
Analysis Batch: 10683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10446

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 09:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 09:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 09:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/21 14:32	10/28/21 09:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:32	10/28/21 09:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/21 14:32	10/28/21 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/25/21 14:32*	*10/28/21 09:51*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/25/21 14:32*	*10/28/21 09:51*	*1*

Lab Sample ID: LCS 880-10446/1-A
Matrix: Solid
Analysis Batch: 10683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10446

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.07600		mg/Kg		76	70 - 130		
Toluene			0.100	0.07465		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.08150		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1558		mg/Kg		78	70 - 130		
o-Xylene			0.100	0.08253		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-10446/2-A
Matrix: Solid
Analysis Batch: 10683

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10446

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07080		mg/Kg		71	70 - 130	7	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-10446/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10683 — **Prep Batch: 10446**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.07363		mg/Kg		74	70 - 130	1	35
Ethylbenzene			0.100	0.08104		mg/Kg		81	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1555		mg/Kg		78	70 - 130	0	35
o-Xylene			0.100	0.08245		mg/Kg		82	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-7523-1 MS — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10683 — **Prep Batch: 10446**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.0996	0.004147	F1	mg/Kg		4	70 - 130
Toluene	<0.00199	U F2 F1	0.0996	0.01088	F1	mg/Kg		11	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.01605	F1	mg/Kg		16	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.01234	F1	mg/Kg		6	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0996	0.01280	F1	mg/Kg		13	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 880-7523-1 MSD — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10683 — **Prep Batch: 10446**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.007517	F2 F1	mg/Kg		8	70 - 130	58	35
Toluene	<0.00199	U F2 F1	0.100	0.007069	F2 F1	mg/Kg		7	70 - 130	43	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.006567	F2 F1	mg/Kg		7	70 - 130	84	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.01412	F1	mg/Kg		7	70 - 130	13	35
o-Xylene	<0.00199	U F2 F1	0.100	0.008376	F2 F1	mg/Kg		8	70 - 130	42	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-10910/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10885 — **Prep Batch: 10910**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 19:59	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

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

Lab Sample ID: MB 880-10910/1-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 19:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:34	10/29/21 19:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/29/21 09:34*	*10/29/21 19:59*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/29/21 09:34*	*10/29/21 19:59*	*1*

Lab Sample ID: LCS 880-10910/2-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1098		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	992.5		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: LCSD 880-10910/3-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10910

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1115		mg/Kg		112	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	996.5		mg/Kg		100	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 880-7523-1 MS
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: S-1 (0-6")
Prep Type: Total/NA
Prep Batch: 10910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	973.1		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	819.5		mg/Kg		79	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

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

Lab Sample ID: 880-7523-1 MSD — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10885 — **Prep Batch: 10910**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	990.1		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	892.6		mg/Kg		86	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-10743/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/29/21 11:47	1

Lab Sample ID: LCS 880-10743/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-10743/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-7521-A-4-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9200	F1	4990	19140	F1	mg/Kg		199	90 - 110

Lab Sample ID: 880-7521-A-4-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9200	F1	4990	18210	F1	mg/Kg		180	90 - 110	5	20

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-7522-A-5-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	734	F1	250	918.0	F1	mg/Kg		74	90 - 110		

Lab Sample ID: 880-7522-A-5-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	734	F1	250	908.0	F1	mg/Kg		70	90 - 110	1	20

Lab Sample ID: MB 880-10744/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10950

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/02/21 01:05	1

Lab Sample ID: LCS 880-10744/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	235.4		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-10744/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10950

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	235.1		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-7523-7 MS — **Client Sample ID: H-1 (0-6")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10950

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	18.3	F1	248	322.9	F1	mg/Kg		123	90 - 110		

Lab Sample ID: 880-7523-7 MSD — **Client Sample ID: H-1 (0-6")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18.3	F1	248	323.2	F1	mg/Kg		123	90 - 110	0	20

Lab Sample ID: MB 880-10750/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 10952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/30/21 13:34	1

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-10750/2-A
Matrix: Solid
Analysis Batch: 10952

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	241.7		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-10750/3-A
Matrix: Solid
Analysis Batch: 10952

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	241.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-7523-14 MS
Matrix: Solid
Analysis Batch: 10952

Client Sample ID: H-8 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	57.6		250	311.0		mg/Kg		101	90 - 110		

Lab Sample ID: 880-7523-14 MSD
Matrix: Solid
Analysis Batch: 10952

Client Sample ID: H-8 (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	57.6		250	311.3		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

GC VOA

Prep Batch: 10435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-10435/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 10446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Total/NA	Solid	5035	
880-7523-2	S-2 (0-6")	Total/NA	Solid	5035	
880-7523-3	S-3 (0-6")	Total/NA	Solid	5035	
880-7523-4	S-4 (0-6")	Total/NA	Solid	5035	
880-7523-5	S-5 (0-6")	Total/NA	Solid	5035	
880-7523-6	S-6 (0-6")	Total/NA	Solid	5035	
880-7523-7	H-1 (0-6")	Total/NA	Solid	5035	
880-7523-8	H-2 (0-6")	Total/NA	Solid	5035	
880-7523-9	H-3 (0-6")	Total/NA	Solid	5035	
880-7523-10	H-4 (0-6")	Total/NA	Solid	5035	
880-7523-11	H-5 (0-6")	Total/NA	Solid	5035	
880-7523-12	H-6 (0-6")	Total/NA	Solid	5035	
880-7523-13	H-7 (0-6")	Total/NA	Solid	5035	
880-7523-14	H-8 (0-6")	Total/NA	Solid	5035	
MB 880-10446/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10446/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10446/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7523-1 MS	S-1 (0-6")	Total/NA	Solid	5035	
880-7523-1 MSD	S-1 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 10683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Total/NA	Solid	8021B	10446
880-7523-2	S-2 (0-6")	Total/NA	Solid	8021B	10446
880-7523-3	S-3 (0-6")	Total/NA	Solid	8021B	10446
880-7523-4	S-4 (0-6")	Total/NA	Solid	8021B	10446
880-7523-5	S-5 (0-6")	Total/NA	Solid	8021B	10446
880-7523-6	S-6 (0-6")	Total/NA	Solid	8021B	10446
880-7523-7	H-1 (0-6")	Total/NA	Solid	8021B	10446
880-7523-8	H-2 (0-6")	Total/NA	Solid	8021B	10446
880-7523-9	H-3 (0-6")	Total/NA	Solid	8021B	10446
880-7523-10	H-4 (0-6")	Total/NA	Solid	8021B	10446
880-7523-11	H-5 (0-6")	Total/NA	Solid	8021B	10446
880-7523-12	H-6 (0-6")	Total/NA	Solid	8021B	10446
880-7523-13	H-7 (0-6")	Total/NA	Solid	8021B	10446
880-7523-14	H-8 (0-6")	Total/NA	Solid	8021B	10446
MB 880-10435/5-A	Method Blank	Total/NA	Solid	8021B	10435
MB 880-10446/5-A	Method Blank	Total/NA	Solid	8021B	10446
LCS 880-10446/1-A	Lab Control Sample	Total/NA	Solid	8021B	10446
LCSD 880-10446/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10446
880-7523-1 MS	S-1 (0-6")	Total/NA	Solid	8021B	10446
880-7523-1 MSD	S-1 (0-6")	Total/NA	Solid	8021B	10446

Analysis Batch: 10874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

GC VOA

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-2	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-3	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-4	S-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-5	S-5 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-6	S-6 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-7	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-8	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-9	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-10	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-11	H-5 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-12	H-6 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-13	H-7 (0-6")	Total/NA	Solid	Total BTEX	
880-7523-14	H-8 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 10885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-2	S-2 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-3	S-3 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-4	S-4 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-5	S-5 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-6	S-6 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-7	H-1 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-8	H-2 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-9	H-3 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-10	H-4 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-11	H-5 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-12	H-6 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-13	H-7 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-14	H-8 (0-6")	Total/NA	Solid	8015B NM	10910
MB 880-10910/1-A	Method Blank	Total/NA	Solid	8015B NM	10910
LCS 880-10910/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10910
LCSD 880-10910/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10910
880-7523-1 MS	S-1 (0-6")	Total/NA	Solid	8015B NM	10910
880-7523-1 MSD	S-1 (0-6")	Total/NA	Solid	8015B NM	10910

Prep Batch: 10910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-2	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-3	S-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-4	S-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-5	S-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-6	S-6 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-7	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-8	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-9	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-10	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-11	H-5 (0-6")	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

GC Semi VOA (Continued)

Prep Batch: 10910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-12	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-13	H-7 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-14	H-8 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-10910/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10910/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10910/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7523-1 MS	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7523-1 MSD	S-1 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-7523-2	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-7523-3	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-7523-4	S-4 (0-6")	Total/NA	Solid	8015 NM	
880-7523-5	S-5 (0-6")	Total/NA	Solid	8015 NM	
880-7523-6	S-6 (0-6")	Total/NA	Solid	8015 NM	
880-7523-7	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-7523-8	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-7523-9	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-7523-10	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-7523-11	H-5 (0-6")	Total/NA	Solid	8015 NM	
880-7523-12	H-6 (0-6")	Total/NA	Solid	8015 NM	
880-7523-13	H-7 (0-6")	Total/NA	Solid	8015 NM	
880-7523-14	H-8 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 10743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-7523-2	S-2 (0-6")	Soluble	Solid	DI Leach	
880-7523-3	S-3 (0-6")	Soluble	Solid	DI Leach	
880-7523-4	S-4 (0-6")	Soluble	Solid	DI Leach	
880-7523-5	S-5 (0-6")	Soluble	Solid	DI Leach	
880-7523-6	S-6 (0-6")	Soluble	Solid	DI Leach	
MB 880-10743/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10743/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10743/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7521-A-4-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7521-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-7522-A-5-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7522-A-5-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 10744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-7	H-1 (0-6")	Soluble	Solid	DI Leach	
880-7523-8	H-2 (0-6")	Soluble	Solid	DI Leach	
880-7523-9	H-3 (0-6")	Soluble	Solid	DI Leach	
880-7523-10	H-4 (0-6")	Soluble	Solid	DI Leach	
880-7523-11	H-5 (0-6")	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

HPLC/IC (Continued)

Leach Batch: 10744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-12	H-6 (0-6")	Soluble	Solid	DI Leach	
MB 880-10744/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10744/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10744/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7523-7 MS	H-1 (0-6")	Soluble	Solid	DI Leach	
880-7523-7 MSD	H-1 (0-6")	Soluble	Solid	DI Leach	

Leach Batch: 10750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-13	H-7 (0-6")	Soluble	Solid	DI Leach	
880-7523-14	H-8 (0-6")	Soluble	Solid	DI Leach	
MB 880-10750/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10750/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10750/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7523-14 MS	H-8 (0-6")	Soluble	Solid	DI Leach	
880-7523-14 MSD	H-8 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 10944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-1	S-1 (0-6")	Soluble	Solid	300.0	10743
880-7523-2	S-2 (0-6")	Soluble	Solid	300.0	10743
880-7523-3	S-3 (0-6")	Soluble	Solid	300.0	10743
880-7523-4	S-4 (0-6")	Soluble	Solid	300.0	10743
880-7523-5	S-5 (0-6")	Soluble	Solid	300.0	10743
880-7523-6	S-6 (0-6")	Soluble	Solid	300.0	10743
MB 880-10743/1-A	Method Blank	Soluble	Solid	300.0	10743
LCS 880-10743/2-A	Lab Control Sample	Soluble	Solid	300.0	10743
LCSD 880-10743/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10743
880-7521-A-4-F MS	Matrix Spike	Soluble	Solid	300.0	10743
880-7521-A-4-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	10743
880-7522-A-5-F MS	Matrix Spike	Soluble	Solid	300.0	10743
880-7522-A-5-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	10743

Analysis Batch: 10950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-7	H-1 (0-6")	Soluble	Solid	300.0	10744
880-7523-8	H-2 (0-6")	Soluble	Solid	300.0	10744
880-7523-9	H-3 (0-6")	Soluble	Solid	300.0	10744
880-7523-10	H-4 (0-6")	Soluble	Solid	300.0	10744
880-7523-11	H-5 (0-6")	Soluble	Solid	300.0	10744
880-7523-12	H-6 (0-6")	Soluble	Solid	300.0	10744
MB 880-10744/1-A	Method Blank	Soluble	Solid	300.0	10744
LCS 880-10744/2-A	Lab Control Sample	Soluble	Solid	300.0	10744
LCSD 880-10744/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10744
880-7523-7 MS	H-1 (0-6")	Soluble	Solid	300.0	10744
880-7523-7 MSD	H-1 (0-6")	Soluble	Solid	300.0	10744

Analysis Batch: 10952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7523-13	H-7 (0-6")	Soluble	Solid	300.0	10750
880-7523-14	H-8 (0-6")	Soluble	Solid	300.0	10750

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

HPLC/IC (Continued)

Analysis Batch: 10952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-10750/1-A	Method Blank	Soluble	Solid	300.0	10750
LCS 880-10750/2-A	Lab Control Sample	Soluble	Solid	300.0	10750
LCSD 880-10750/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10750
880-7523-14 MS	H-8 (0-6")	Soluble	Solid	300.0	10750
880-7523-14 MSD	H-8 (0-6")	Soluble	Solid	300.0	10750

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

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

Lab Sample ID: 880-7523-1
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 10:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10874	10/28/21 16:38	MR	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 14:54	CH	XEN MID

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-7523-2
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 10:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 21:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		50			10944	10/29/21 15:01	CH	XEN MID

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-7523-3
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 10:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 22:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		20			10944	10/29/21 15:09	CH	XEN MID

Client Sample ID: S-4 (0-6")

Lab Sample ID: 880-7523-4
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 11:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: S-4 (0-6")

Lab Sample ID: 880-7523-4
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 22:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 15:16	CH	XEN MID

Client Sample ID: S-5 (0-6")

Lab Sample ID: 880-7523-5
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 11:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		5			10944	10/29/21 15:23	CH	XEN MID

Client Sample ID: S-6 (0-6")

Lab Sample ID: 880-7523-6
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 11:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 23:17	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		5			10944	10/29/21 15:30	CH	XEN MID

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-7523-7
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 12:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 23:37	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-7523-7
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	10744	10/27/21 12:45	SC	XEN MID
Soluble	Analysis	300.0		1			10950	11/02/21 01:27	CH	XEN MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-7523-8
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 12:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/29/21 23:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	10744	10/27/21 12:45	SC	XEN MID
Soluble	Analysis	300.0		1			10950	11/02/21 01:48	CH	XEN MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-7523-9
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 13:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/30/21 00:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10744	10/27/21 12:45	SC	XEN MID
Soluble	Analysis	300.0		1			10950	11/02/21 01:55	CH	XEN MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-7523-10
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 13:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/30/21 00:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10744	10/27/21 12:45	SC	XEN MID
Soluble	Analysis	300.0		1			10950	11/02/21 02:03	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-7523-11
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 14:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/30/21 01:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	10744	10/27/21 12:45	SC	XEN MID
Soluble	Analysis	300.0		1			10950	11/02/21 02:10	CH	XEN MID

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-7523-12
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 15:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/30/21 01:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10744	10/27/21 12:45	SC	XEN MID
Soluble	Analysis	300.0		1			10950	11/02/21 02:31	CH	XEN MID

Client Sample ID: H-7 (0-6")

Lab Sample ID: 880-7523-13
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 15:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/30/21 02:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10750	10/29/21 14:36	SC	XEN MID
Soluble	Analysis	300.0		1			10952	10/30/21 15:36	CH	XEN MID

Client Sample ID: H-8 (0-6")

Lab Sample ID: 880-7523-14
Matrix: Solid
Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

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	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 15:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Client Sample ID: H-8 (0-6")

Date Collected: 10/20/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7523-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10910	10/29/21 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10885	10/30/21 02:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10750	10/29/21 14:36	SC	XEN MID
Soluble	Analysis	300.0		1			10952	10/30/21 15:43	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: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea 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

Method Summary

Client: NT Global
Project/Site: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea 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: South Vaccum Unit 265

Job ID: 880-7523-1
SDG: Lea Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7523-1	S-1 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-2	S-2 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-3	S-3 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-4	S-4 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-5	S-5 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-6	S-6 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-7	H-1 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-8	H-2 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-9	H-3 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-10	H-4 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-11	H-5 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-12	H-6 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-13	H-7 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50
880-7523-14	H-8 (0-6")	Solid	10/20/21 00:00	10/25/21 10:50

Chain of Custody

NTG ENVIRONMENTAL

880-7523 Chain of Custody

Page 1 of 2

Project Manager	Mike Carmona	Bill to (if different)	
Company Name	NTG Environmental	Company Name.	
Address.	701 Tradewinds BLVD	Address	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone	432-813-0263 Email	mcarmona@ntglobal.com	

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	South Vaccum Unit 265	Turn Around	
Project Number	214800	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name.	CCM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID		IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor		0.1
Sample Custody Seals.	Yes No (N/A)	Temperature Reading		2.1
Total Containers.		Corrected Temperature.		2.2

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
S-1 (0-6")	10/20/2021		X		G	1		X	X	X		
S-2 (0-6")	10/20/2021		X		G	1		X	X	X		
S-3 (0-6")	10/20/2021		X		G	1		X	X	X		
S-4 (0-6")	10/20/2021		X		G	1		X	X	X		
S-5 (0-6")	10/20/2021		X		G	1		X	X	X		
S-6 (0-6")	10/20/2021		X		G	1		X	X	X		
H-1 (0-6")	10/20/2021		X		G	1		X	X	X		
H-2 (0-6")	10/20/2021		X		G	1		X	X	X		
H-3 (0-6")	10/20/2021		X		G	1		X	X	X		
H-4 (0-6")	10/20/2021		X		G	1		X	X	X		

Additoinal Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		10.25.21 1050	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Chain of Custody

Loc: 880
7523

Work Order No: __

NTG ENVIRONMENTAL

Page 2 of 2

Project Manager	Mike Carmona	Bill to (if different)	
Company Name	NTG Environmental	Company Name.	
Address.	701 Tradewinds BLVD	Address.	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone	432-813-0263 Email	mcarmona@ntglobal com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐
State of Project.
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	South Vaccum Unit 265	Turn Around	
Project Number	214800	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name:	CCM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact.	Yes No		Thermometer ID	
Cooler Custody Seals.	Yes No N/A		Correction Factor	
Sample Custody Seals	Yes No N/A		Temperature Reading	
Total Containers:			Corrected Temperature.	

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
H-5 (0-6")	10/20/2021		X		G	1		X	X	X		
H-6 (0-6")	10/20/2021		X		G	1		X	X	X		
H-7 (0-6")	10/20/2021		X		G	1		X	X	X		
H-8 (0-6")	10/20/2021		X		G	1		X	X	X		

Additoinal Comments:

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

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-7523-1
SDG Number: Lea Co NM

Login Number: 7523
List Number: 1
Creator: Kramer, Jessica

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

Report to:

Mike Carmona

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name:	South Vacuum Unit 265
Work Order:	E112043
Job Number:	21106-0001
Received:	12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/15/21

Mike Carmona
911 Regional Park Dr.
Houston, TX 77060

Project Name: South Vacuum Unit 265
Workorder: E112043
Date Received: 12/9/2021 12:00:00PM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:00:00PM, under the Project Name: South Vacuum Unit 265.

The analytical test results summarized in this report with the Project Name: South Vacuum Unit 265 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0-1')	E112043-01A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-01B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (1')	E112043-02A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-02B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (2')	E112043-03A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-03B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (3)	E112043-04A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-04B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (0-1')	E112043-05A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-05B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (1')	E112043-06A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-06B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (0-1')	E112043-07A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-07B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (1')	E112043-08A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-08B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (0-1')	E112043-09A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-09B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (1')	E112043-10A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-10B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-1 (0-0.5')	E112043-11A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-11B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-2 (0-0.5')	E112043-12A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-12B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-3 (0-0.5')	E112043-13A	Soil	12/08/21	12/09/21	*** DEFAULT CONTAINER ***
	E112043-13B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-1 (0-1')

E112043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/13/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/13/21	
Toluene	ND	0.0250	1	12/10/21	12/13/21	
o-Xylene	ND	0.0250	1	12/10/21	12/13/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/13/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/13/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**1080**	25.0	1	12/10/21	12/13/21	
Oil Range Organics (C28-C36)	**864**	50.0	1	12/10/21	12/13/21	
Surrogate: n-Nonane		*123 %*	*50-200*	*12/10/21*	*12/13/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**41100**	2000	100	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-1 (1')

E112043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**5330**	50.0	2	12/10/21	12/13/21	
Oil Range Organics (C28-C36)	**3490**	100	2	12/10/21	12/13/21	
Surrogate: n-Nonane		*117 %*	*50-200*	*12/10/21*	*12/13/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**38500**	2000	100	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-1 (2')

E112043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**227**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**174**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**20100**	1000	50	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-1 (3)

E112043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	**0.0318**	0.0250	1	12/10/21	12/14/21	
o-Xylene	**0.125**	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	**0.631**	0.0500	1	12/10/21	12/14/21	
Total Xylenes	**0.756**	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	**46.0**	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**3870**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**1170**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*149 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**15000**	400	20	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-2 (0-1')

E112043-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**301**	50.0	2	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**328**	100	2	12/10/21	12/14/21	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**5000**	100	5	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-2 (1')

E112043-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	**0.0639**	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	**0.116**	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	**0.317**	0.0500	1	12/10/21	12/14/21	
Total Xylenes	**0.433**	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	**24.3**	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*102 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**4270**	125	5	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**2380**	250	5	12/10/21	12/14/21	
Surrogate: n-Nonane		*121 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**12400**	400	20	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-3 (0-1')

E112043-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**1630**	125	5	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**2220**	250	5	12/10/21	12/14/21	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**1590**	40.0	2	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-3 (1')

E112043-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**986**	50.0	2	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**2010**	100	2	12/10/21	12/14/21	
Surrogate: n-Nonane		*129 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**551**	20.0	1	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-4 (0-1')

E112043-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	**0.138**	0.0500	1	12/10/21	12/14/21	
Total Xylenes	**0.138**	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**17000**	250	10	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**12700**	500	10	12/10/21	12/14/21	
Surrogate: n-Nonane		*149 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**3350**	40.0	2	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

T-4 (1')

E112043-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**6350**	50.0	2	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**3800**	100	2	12/10/21	12/14/21	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**2640**	40.0	2	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

H-2 (0-0.5')

E112043-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**42.2**	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	**56.3**	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/10/21*	*12/15/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**49.5**	20.0	1	12/13/21	12/13/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

H-3 (0-0.5')

E112043-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150055
Diesel Range Organics (C10-C28)	**41.3**	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	**57.7**	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane		*104 %*	*50-200*	*12/10/21*	*12/15/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150062
Chloride	**41.6**	20.0	1	12/13/21	12/13/21	

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150043-BLK1)									Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.3*	*70-130*			
LCS (2150043-BS1)									Prepared: 12/10/21 Analyzed: 12/13/21
Benzene	4.98	0.0250	5.00		99.5	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike (2150043-MS1)				**Source: E112043-01**					Prepared: 12/10/21 Analyzed: 12/13/21
Benzene	4.88	0.0250	5.00	ND	97.5	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	5.21	0.0250	5.00	ND	104	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.4	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.1*	*70-130*			
Matrix Spike Dup (2150043-MSD1)				**Source: E112043-01**					Prepared: 12/10/21 Analyzed: 12/13/21
Benzene	4.95	0.0250	5.00	ND	99.0	54-133	1.48	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	1.27	20	
Toluene	5.28	0.0250	5.00	ND	106	61-130	1.38	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	1.29	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	1.31	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	1.30	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.87*		*8.00*		*98.4*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150043-BLK1)									Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
LCS (2150043-BS2)									Prepared: 12/10/21 Analyzed: 12/13/21
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2150043-MS2)				**Source: E112043-01**					Prepared: 12/10/21 Analyzed: 12/13/21
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike Dup (2150043-MSD2)				**Source: E112043-01**					Prepared: 12/10/21 Analyzed: 12/13/21
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.3	70-130	1.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.90*		*8.00*		*98.8*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150055-BLK1)									Prepared: 12/10/21 Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
LCS (2150055-BS1)									Prepared: 12/10/21 Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	564	25.0	500		113	38-132			
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
Matrix Spike (2150055-MS1)				**Source: E112043-02**					Prepared: 12/10/21 Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	5730	125	500	5330	79.8	38-132			
Surrogate: n-Nonane	*58.7*		*50.0*		*117*	*50-200*			
Matrix Spike Dup (2150055-MSD1)				**Source: E112043-02**					Prepared: 12/10/21 Analyzed: 12/14/21
Diesel Range Organics (C10-C28)	5580	125	500	5330	49.4	38-132	2.68	20	
Surrogate: n-Nonane	*60.5*		*50.0*		*121*	*50-200*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:55:45PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150062-BLK1)									Prepared: 12/13/21 Analyzed: 12/13/21
Chloride	ND	20.0							
LCS (2150062-BS1)									Prepared: 12/13/21 Analyzed: 12/13/21
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2150062-MS1)				**Source: E112043-01**					Prepared: 12/13/21 Analyzed: 12/13/21
Chloride	62900	2000	250	41100	NR	80-120			M5
Matrix Spike Dup (2150062-MSD1)				**Source: E112043-01**					Prepared: 12/13/21 Analyzed: 12/13/21
Chloride	53300	2000	250	41100	NR	80-120	16.5	20	M5

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 265	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:55

M5	The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E112043

Job # 21106-0001

Project Manager:	Mike Carmona	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	701 Tradewinds BLVD	Address:	
City, State ZIP:	Midland, TX 79706	City, State ZIP:	
Phone:	432-813-0263	Email:	mcarmona@ntglobal.com

Work Order Comments

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

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	South Vacuum Unit 265	Turn Around	
Project Number:	214800	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	Standard
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
1	T-1 (0-1')	12/8/2021	-	X	-	G	1		X	X	X		
2	T-1 (1')	12/8/2021	-	X	-	G	1		X	X	X		
3	T-1 (2')	12/8/2021	-	X	-	G	1		X	X	X		
4	T-1 (3')	12/8/2021	-	X	-	G	1		X	X	X		
5	T-2 (0-1')	12/8/2021	-	X	-	G	1		X	X	X		
6	T-2 (1')	12/8/2021	-	X	-	G	1		X	X	X		
7	T-3 (0-1')	12/8/2021	-	X	-	G	1		X	X	X		
8	T-3 (1')	12/8/2021	-	X	-	G	1		X	X	X		
9	T-4 (0-1')	12/8/2021	-	X	-	G	1		X	X	X		
10	T-4 (1')	12/8/2021	-	X	-	G	1		X	X	X		

Additoinal Comments:

Samples received with visible ice 4°

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12.8.21 1:31	2		
3	Caitlyn Christian	12/9/21 12:00	4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E112043
Job # 21106-0001

Page 1 of 1

Project Manager:	Mike Carmona	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	701 Tradewinds BLVD	Address:	
City, State ZIP:	Midland, TX 79706	City, State ZIP:	
Phone:	432-813-0263	Email:	mcarmona@ntglobal.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	South Vacuum Unit 265	Turn Around	
Project Number:	214800	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	Standard
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No		Thermometer ID:	
Cooler Custody Seals:	Yes No N/A		Correction Factor:	
Sample Custody Seals:	Yes No N/A		Temperature Reading:	
Total Containers:			Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
11	H-1 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		Not recieved
12	H-2 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		H-2 (0-06")
13	H-3 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		H-3 (0-06")

Parameters

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 N Sackett		12.8.21 / 1:31	2		
3	Courtney Christian	12/9/21 12:00	4		
5			6		

Revised Date 05012020 Rev. 2020.1

Envirotech Analytical Laboratory

Printed: 12/10/2021 1:25:21PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	12/09/21 12:00	Work Order ID:	E112043
Phone:	(432) 685-3898	Date Logged In:	12/09/21 12:04	Logged In By:	Jessica Liesse
Email:	mcarmona@ntglobal.com	Due Date:	12/15/21 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	No	
2. Does the number of samples per sampling site location match the COC	No	
3. Were samples dropped off by client or carrier?	Yes	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Samples #12 & #13 Sample ID did not match COC, Sample #11 was not Received and cannot be reported.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11145-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: South Vacuum Unit 265

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
2/24/2022 4:27:32 PM

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

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

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

Client: NT Global
Project/Site: South Vacuum Unit 265

Laboratory Job ID: 880-11145-1
SDG: Lea Co, NM

Table of Contents

Eurofins Midland
2/24/2022

Definitions/Glossary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Job ID: 880-11145-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11145-1

Receipt
The samples were received on 2/9/2022 4:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.3°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-1 (3'-4') (880-11145-4), BH-1 (4'-5') (880-11145-5), BH-1 (5'-6') (880-11145-6), (MB 880-19122/1-A), (880-11191-A-1-A), (880-11191-A-1-B MS) and (880-11191-A-1-C MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19065 and analytical batch 880-19436 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19415 and analytical batch 880-19574 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-1
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 06:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 06:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 06:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/12/22 06:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 06:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/12/22 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/12/22 06:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/11/22 08:30*	*02/12/22 06:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.9**		50.0		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:44	1
Diesel Range Organics (Over C10-C28)	**55.9**		50.0		mg/Kg		02/10/22 10:52	02/11/22 19:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/10/22 10:52*	*02/11/22 19:44*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/10/22 10:52*	*02/11/22 19:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41500**		248		mg/Kg			02/16/22 09:25	50

Client Sample ID: BH-1 (1'-2')

Lab Sample ID: 880-11145-2
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 06:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 06:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 06:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/11/22 08:30	02/12/22 06:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 06:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/11/22 08:30	02/12/22 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/12/22 06:58*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/11/22 08:30*	*02/12/22 06:58*	*1*

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (1'-2')

Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Lab Sample ID: 880-11145-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**80.7**		49.9		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 20:05	1
Diesel Range Organics (Over C10-C28)	**80.7**		49.9		mg/Kg		02/10/22 10:52	02/11/22 20:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/10/22 10:52*	*02/11/22 20:05*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/10/22 10:52*	*02/11/22 20:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19500**		101		mg/Kg			02/16/22 09:36	20

Client Sample ID: BH-1 (2'-3')

Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Lab Sample ID: 880-11145-3
Matrix: Solid

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		02/11/22 08:30	02/12/22 07:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 07:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 07:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 07:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 07:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/11/22 08:30*	*02/12/22 07:19*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/11/22 08:30*	*02/12/22 07:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/14/22 09:32	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			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 17:58	1

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (2'-3')

Lab Sample ID: 880-11145-3
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/11/22 10:14*	*02/12/22 17:58*	*1*
o-Terphenyl	*83*		*70 - 130*	*02/11/22 10:14*	*02/12/22 17:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2470**		25.0		mg/Kg			02/16/22 09:48	5

Client Sample ID: BH-1 (3'-4')

Lab Sample ID: 880-11145-4
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 07:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 07:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 07:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/22 08:30	02/12/22 07:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 07:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/22 08:30	02/12/22 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/11/22 08:30*	*02/12/22 07:39*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/11/22 08:30*	*02/12/22 07:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/22 09:32	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			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 18:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/11/22 10:14*	*02/12/22 18:21*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/11/22 10:14*	*02/12/22 18:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2680**		25.0		mg/Kg			02/16/22 10:00	5

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (4'-5')

Lab Sample ID: 880-11145-5
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 08:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/12/22 08:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/12/22 08:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/22 08:30	02/12/22 08:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/12/22 08:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/22 08:30	02/12/22 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/12/22 08:00*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/11/22 08:30*	*02/12/22 08:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/14/22 09:32	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			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 18:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*02/11/22 10:14*	*02/12/22 18:42*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/11/22 10:14*	*02/12/22 18:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2190**		24.8		mg/Kg			02/16/22 10:12	5

Client Sample ID: BH-1 (5'-6')

Lab Sample ID: 880-11145-6
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 08:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 08:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 08:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/12/22 08:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 08:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/12/22 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/12/22 08:20*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/11/22 08:30*	*02/12/22 08:20*	*1*

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (5'-6')

Lab Sample ID: 880-11145-6
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/17/22 15:47	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		02/11/22 10:14	02/12/22 19:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/11/22 10:14	02/12/22 19:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/11/22 10:14	02/12/22 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*02/11/22 10:14*	*02/12/22 19:04*	*1*
o-Terphenyl	*73*		*70 - 130*	*02/11/22 10:14*	*02/12/22 19:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.5**		5.04		mg/Kg			02/16/22 10:24	1

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

Lab Sample ID: 880-11145-7
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 08:41	1
Toluene	**0.00858**		0.00199		mg/Kg		02/11/22 08:30	02/12/22 08:41	1
Ethylbenzene	**0.0419**		0.00199		mg/Kg		02/11/22 08:30	02/12/22 08:41	1
m-Xylene & p-Xylene	**0.0795**		0.00398		mg/Kg		02/11/22 08:30	02/12/22 08:41	1
o-Xylene	**0.0285**		0.00199		mg/Kg		02/11/22 08:30	02/12/22 08:41	1
Xylenes, Total	**0.108**		0.00398		mg/Kg		02/11/22 08:30	02/12/22 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/11/22 08:30*	*02/12/22 08:41*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/11/22 08:30*	*02/12/22 08:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.158**		0.00398		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**735**		49.9		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/11/22 10:14	02/12/22 19:26	1
Diesel Range Organics (Over C10-C28)	**735**		49.9		mg/Kg		02/11/22 10:14	02/12/22 19:26	1

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Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-7
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/11/22 10:14	02/12/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/11/22 10:14*	*02/12/22 19:26*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/11/22 10:14*	*02/12/22 19:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10700**	**F1**	99.8		mg/Kg			02/16/22 09:46	20

Client Sample ID: BH-2 (1'-2')

Lab Sample ID: 880-11145-8
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 09:01	1
Toluene	**0.00296**		0.00200		mg/Kg		02/11/22 08:30	02/12/22 09:01	1
Ethylbenzene	**0.0200**		0.00200		mg/Kg		02/11/22 08:30	02/12/22 09:01	1
m-Xylene & p-Xylene	**0.0363**		0.00400		mg/Kg		02/11/22 08:30	02/12/22 09:01	1
o-Xylene	**0.0127**		0.00200		mg/Kg		02/11/22 08:30	02/12/22 09:01	1
Xylenes, Total	**0.0490**		0.00400		mg/Kg		02/11/22 08:30	02/12/22 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/11/22 08:30*	*02/12/22 09:01*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/11/22 08:30*	*02/12/22 09:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0720**		0.00400		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**324**		50.0		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 02:48	1
Diesel Range Organics (Over C10-C28)	**324**		50.0		mg/Kg		02/10/22 11:25	02/12/22 02:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*02/10/22 11:25*	*02/12/22 02:48*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/10/22 11:25*	*02/12/22 02:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5150**		50.4		mg/Kg			02/16/22 10:12	10

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-2 (2'-3')

Lab Sample ID: 880-11145-9
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 09:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 09:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 09:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/22 08:30	02/12/22 09:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 09:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/22 08:30	02/12/22 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/12/22 09:21*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/11/22 08:30*	*02/12/22 09:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/22 09:32	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			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 03:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 03:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/10/22 11:25*	*02/12/22 03:10*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/10/22 11:25*	*02/12/22 03:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2470**		24.9		mg/Kg			02/16/22 10:21	5

Client Sample ID: BH-2 (3'-4')

Lab Sample ID: 880-11145-10
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 08:30	02/12/22 09:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 09:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 09:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/22 08:30	02/12/22 09:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 09:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/22 08:30	02/12/22 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/11/22 08:30*	*02/12/22 09:42*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/11/22 08:30*	*02/12/22 09:42*	*1*

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-2 (3'-4')

Lab Sample ID: 880-11145-10
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/14/22 09:32	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			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 03:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 03:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/10/22 11:25*	*02/12/22 03:31*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/10/22 11:25*	*02/12/22 03:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.2**		4.97		mg/Kg			02/16/22 10:30	1

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

Lab Sample ID: 880-11145-11
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 07:30	02/11/22 11:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 11:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 11:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 07:30	02/11/22 11:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 11:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 07:30	02/11/22 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/11/22 07:30*	*02/11/22 11:43*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/11/22 07:30*	*02/11/22 11:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/12/22 03:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/12/22 03:52	1

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Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-11
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/12/22 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/10/22 11:25*	*02/12/22 03:52*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/10/22 11:25*	*02/12/22 03:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.7**		4.95		mg/Kg			02/16/22 10:39	1

Client Sample ID: BH-3 (1'-2')

Lab Sample ID: 880-11145-12
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 07:30	02/11/22 12:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 12:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 12:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 07:30	02/11/22 12:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 12:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 07:30	02/11/22 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/11/22 07:30*	*02/11/22 12:03*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/11/22 07:30*	*02/11/22 12:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*02/10/22 11:25*	*02/12/22 04:13*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/10/22 11:25*	*02/12/22 04:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**506**		4.99		mg/Kg			02/16/22 11:05	1

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-3 (2'-3')

Lab Sample ID: 880-11145-13
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 07:30	02/11/22 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 12:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 07:30	02/11/22 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 12:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 07:30	02/11/22 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/11/22 07:30*	*02/11/22 12:23*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/11/22 07:30*	*02/11/22 12:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/14/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/10/22 11:25*	*02/12/22 04:34*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/10/22 11:25*	*02/12/22 04:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**578**		5.01		mg/Kg			02/16/22 11:14	1

Client Sample ID: BH-3 (3'-4')

Lab Sample ID: 880-11145-14
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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		02/11/22 07:30	02/11/22 12:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 12:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 12:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 07:30	02/11/22 12:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 07:30	02/11/22 12:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 07:30	02/11/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/11/22 07:30*	*02/11/22 12:44*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/11/22 07:30*	*02/11/22 12:44*	*1*

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-3 (3'-4')

Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Lab Sample ID: 880-11145-14

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/17/22 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*02/10/22 11:25*	*02/12/22 04:55*	*1*
o-Terphenyl	*95*		*70 - 130*	*02/10/22 11:25*	*02/12/22 04:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.4**		5.05		mg/Kg			02/16/22 11:23	1

Surrogate Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11144-A-1-A MS	Matrix Spike	132 S1+	101
880-11144-A-1-B MSD	Matrix Spike Duplicate	134 S1+	97
880-11145-1	BH-1 (0-1')	134 S1+	92
880-11145-2	BH-1 (1'-2')	136 S1+	104
880-11145-3	BH-1 (2'-3')	129	97
880-11145-4	BH-1 (3'-4')	128	101
880-11145-5	BH-1 (4'-5')	139 S1+	99
880-11145-6	BH-1 (5'-6')	134 S1+	108
880-11145-7	BH-2 (0-1')	105	92
880-11145-8	BH-2 (1'-2')	125	95
880-11145-9	BH-2 (2'-3')	140 S1+	105
880-11145-10	BH-2 (3'-4')	113	93
880-11145-11	BH-3 (0-1')	106	94
880-11145-11 MS	BH-3 (0-1')	113	74
880-11145-11 MSD	BH-3 (0-1')	105	106
880-11145-12	BH-3 (1'-2')	124	99
880-11145-13	BH-3 (2'-3')	129	109
880-11145-14	BH-3 (3'-4')	119	95
LCS 880-19014/1-A	Lab Control Sample	98	95
LCS 880-19021/1-A	Lab Control Sample	113	90
LCSD 880-19014/2-A	Lab Control Sample Dup	109	102
LCSD 880-19021/2-A	Lab Control Sample Dup	111	101
MB 880-19014/5-A	Method Blank	105	94
MB 880-19021/5-A	Method Blank	130	103
MB 880-19022/5-A	Method Blank	120	93

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)
880-11137-A-1-E MS	Matrix Spike	77	78
880-11137-A-1-F MSD	Matrix Spike Duplicate	93	78
880-11144-A-1-E MS	Matrix Spike	87	84
880-11144-A-1-F MSD	Matrix Spike Duplicate	78	75
880-11145-1	BH-1 (0-1')	105	98
880-11145-2	BH-1 (1'-2')	84	81
880-11145-3	BH-1 (2'-3')	70	83
880-11145-4	BH-1 (3'-4')	69 S1-	84
880-11145-5	BH-1 (4'-5')	66 S1-	78
880-11145-6	BH-1 (5'-6')	64 S1-	73
880-11145-7	BH-2 (0-1')	71	81
880-11145-8	BH-2 (1'-2')	96	92
880-11145-9	BH-2 (2'-3')	89	91
880-11145-10	BH-2 (3'-4')	90	86

Surrogate Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea 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)
880-11145-11	BH-3 (0-1')	97	92
880-11145-12	BH-3 (1'-2')	85	81
880-11145-13	BH-3 (2'-3')	108	101
880-11145-14	BH-3 (3'-4')	104	95
880-11191-A-1-B MS	Matrix Spike	61 S1-	60 S1-
880-11191-A-1-C MSD	Matrix Spike Duplicate	62 S1-	60 S1-
LCS 880-19122/2-A	Lab Control Sample	90	95
LCSD 880-19122/3-A	Lab Control Sample Dup	94	100
MB 880-19122/1-A	Method Blank	65 S1-	81

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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) 1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19033/2-A	Lab Control Sample	97	101
LCS 880-19037/2-A	Lab Control Sample	99	92
LCSD 880-19033/3-A	Lab Control Sample Dup	96	100
LCSD 880-19037/3-A	Lab Control Sample Dup	90	88
MB 880-19033/1-A	Method Blank	78	79
MB 880-19037/1-A	Method Blank	81	80

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19014/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19116 — **Prep Batch: 19014**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 07:30	02/11/22 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 07:30	02/11/22 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 07:30	02/11/22 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/11/22 07:30*	*02/11/22 11:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/11/22 07:30*	*02/11/22 11:21*	*1*

Lab Sample ID: LCS 880-19014/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19116 — **Prep Batch: 19014**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09671		mg/Kg		97	70 - 130
Toluene	0.100	0.09263		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09502		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09491		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-19014/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19116 — **Prep Batch: 19014**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1006		mg/Kg		101	70 - 130	4	35
Toluene	0.100	0.1058		mg/Kg		106	70 - 130	13	35
Ethylbenzene	0.100	0.1103		mg/Kg		110	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2297		mg/Kg		115	70 - 130	18	35
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-11145-11 MS — **Client Sample ID: BH-3 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19116 — **Prep Batch: 19014**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.07778		mg/Kg		77	70 - 130
Toluene	<0.00199	U	0.101	0.08575		mg/Kg		85	70 - 130

Eurofins Midland

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-11 MS
Matrix: Solid
Analysis Batch: 19116

Client Sample ID: BH-3 (0-1')
Prep Type: Total/NA
Prep Batch: 19014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.101	0.08978		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1859		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.101	0.09811		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*

Lab Sample ID: 880-11145-11 MSD
Matrix: Solid
Analysis Batch: 19116

Client Sample ID: BH-3 (0-1')
Prep Type: Total/NA
Prep Batch: 19014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.08904		mg/Kg		90	70 - 130	14	35
Toluene	<0.00199	U	0.0990	0.08922		mg/Kg		90	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.0990	0.09292		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1908		mg/Kg		96	70 - 130	3	35
o-Xylene	<0.00199	U	0.0990	0.09456		mg/Kg		96	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-19021/5-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 01:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/11/22 08:30*	*02/12/22 01:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/11/22 08:30*	*02/12/22 01:15*	*1*

Lab Sample ID: LCS 880-19021/1-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19021

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08278		mg/Kg		83	70 - 130
Toluene	0.100	0.09158		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09870		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1877		mg/Kg		94	70 - 130

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-19021/1-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19021

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.09873		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 880-19021/2-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19021

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08439		mg/Kg		84	70 - 130	2	35
Toluene			0.100	0.08566		mg/Kg		86	70 - 130	7	35
Ethylbenzene			0.100	0.08964		mg/Kg		90	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1671		mg/Kg		84	70 - 130	12	35
o-Xylene			0.100	0.08581		mg/Kg		86	70 - 130	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-11144-A-1-A MS
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U	0.100	0.08152		mg/Kg		81	70 - 130		
Toluene	<0.00198	U	0.100	0.08753		mg/Kg		87	70 - 130		
Ethylbenzene	<0.00198	U	0.100	0.08461		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene	<0.00397	U	0.201	0.1647		mg/Kg		82	70 - 130		
o-Xylene	<0.00198	U	0.100	0.07927		mg/Kg		79	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-11144-A-1-B MSD
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 19021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0994	0.07213		mg/Kg		73	70 - 130	12	35
Toluene	<0.00198	U	0.0994	0.07419		mg/Kg		75	70 - 130	17	35
Ethylbenzene	<0.00198	U	0.0994	0.07569		mg/Kg		76	70 - 130	11	35
m-Xylene & p-Xylene	<0.00397	U	0.199	0.1491		mg/Kg		75	70 - 130	10	35
o-Xylene	<0.00198	U	0.0994	0.07351		mg/Kg		74	70 - 130	8	35

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11144-A-1-B MSD
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 19021

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-19022/5-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 13:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/11/22 08:30*	*02/11/22 13:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/11/22 08:30*	*02/11/22 13:40*	*1*

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

Lab Sample ID: MB 880-19033/1-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19033

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		02/10/22 10:52	02/11/22 11:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 11:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*78*		*70 - 130*	*02/10/22 10:52*	*02/11/22 11:21*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/10/22 10:52*	*02/11/22 11:21*	*1*

Lab Sample ID: LCS 880-19033/2-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.2		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-19033/3-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	994.8		mg/Kg		99	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	932.0		mg/Kg		93	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-11137-A-1-E MS
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	869.0		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	934.4		mg/Kg		93	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: 880-11137-A-1-F MSD
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 19033

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	<50.0	U F2	998	1101	F2	mg/Kg		108	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1046		mg/Kg		105	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: MB 880-19037/1-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19037

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		02/10/22 11:25	02/11/22 20:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 20:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 20:48	1

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-19037/1-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19037

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/10/22 11:25	02/11/22 20:48	1
o-Terphenyl	80		70 - 130	02/10/22 11:25	02/11/22 20:48	1

Lab Sample ID: LCS 880-19037/2-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19037

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1007		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	932.9		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-19037/3-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19037

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	974.0		mg/Kg		97	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	875.8		mg/Kg		88	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-11144-A-1-E MS
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19037

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1173		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1015		mg/Kg		102	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	84		70 - 130

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11144-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19108 — **Prep Batch: 19037**

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	<50.0	U	998	1109		mg/Kg		109	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	887.6		mg/Kg		89	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: MB 880-19122/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19227 — **Prep Batch: 19122**

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		02/11/22 10:14	02/12/22 10:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 10:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/11/22 10:14	02/12/22 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*65*	*S1-*	*70 - 130*	*02/11/22 10:14*	*02/12/22 10:33*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/11/22 10:14*	*02/12/22 10:33*	*1*

Lab Sample ID: LCS 880-19122/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19227 — **Prep Batch: 19122**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	849.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	872.9		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-19122/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19227 — **Prep Batch: 19122**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	927.2		mg/Kg		93	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	956.0		mg/Kg		96	70 - 130	9	20

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-19122/3-A
Matrix: Solid
Analysis Batch: 19227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19122

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-11191-A-1-B MS
Matrix: Solid
Analysis Batch: 19227

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	879.6		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	846.9		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	61	S1-	70 - 130
o-Terphenyl	60	S1-	70 - 130

Lab Sample ID: 880-11191-A-1-C MSD
Matrix: Solid
Analysis Batch: 19227

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 19122

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	<50.0	U	998	889.7		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	840.9		mg/Kg		84	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	62	S1-	70 - 130
o-Terphenyl	60	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19065/1-A
Matrix: Solid
Analysis Batch: 19436

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			02/16/22 04:28	1

Lab Sample ID: LCS 880-19065/2-A
Matrix: Solid
Analysis Batch: 19436

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-19065/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19436

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	256.9		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-11142-A-8-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1660	F1	1240	3266	F1	mg/Kg		130	90 - 110		

Lab Sample ID: 880-11142-A-8-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1660	F1	1240	3156	F1	mg/Kg		121	90 - 110	3	20

Lab Sample ID: 880-11144-A-8-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	318		248	583.6		mg/Kg		107	90 - 110		

Lab Sample ID: 880-11144-A-8-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	318		248	585.7		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-19415/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/16/22 09:19	1

Lab Sample ID: LCS 880-19415/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19574

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 880-19415/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19574

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	256.2		mg/Kg		102	90 - 110	1	20

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-11145-7 MS
Matrix: Solid
Analysis Batch: 19574

Client Sample ID: BH-2 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	10700	F1	4990	16330	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 880-11145-7 MSD
Matrix: Solid
Analysis Batch: 19574

Client Sample ID: BH-2 (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	10700	F1	4990	16250	F1	mg/Kg		111	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 19014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-11	BH-3 (0-1')	Total/NA	Solid	5035	
880-11145-12	BH-3 (1'-2')	Total/NA	Solid	5035	
880-11145-13	BH-3 (2'-3')	Total/NA	Solid	5035	
880-11145-14	BH-3 (3'-4')	Total/NA	Solid	5035	
MB 880-19014/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19014/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19014/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11145-11 MS	BH-3 (0-1')	Total/NA	Solid	5035	
880-11145-11 MSD	BH-3 (0-1')	Total/NA	Solid	5035	

Prep Batch: 19021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Total/NA	Solid	5035	
880-11145-2	BH-1 (1'-2')	Total/NA	Solid	5035	
880-11145-3	BH-1 (2'-3')	Total/NA	Solid	5035	
880-11145-4	BH-1 (3'-4')	Total/NA	Solid	5035	
880-11145-5	BH-1 (4'-5')	Total/NA	Solid	5035	
880-11145-6	BH-1 (5'-6')	Total/NA	Solid	5035	
880-11145-7	BH-2 (0-1')	Total/NA	Solid	5035	
880-11145-8	BH-2 (1'-2')	Total/NA	Solid	5035	
880-11145-9	BH-2 (2'-3')	Total/NA	Solid	5035	
880-11145-10	BH-2 (3'-4')	Total/NA	Solid	5035	
MB 880-19021/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19021/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19021/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11144-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-11144-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 19022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19022/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-11	BH-3 (0-1')	Total/NA	Solid	8021B	19014
880-11145-12	BH-3 (1'-2')	Total/NA	Solid	8021B	19014
880-11145-13	BH-3 (2'-3')	Total/NA	Solid	8021B	19014
880-11145-14	BH-3 (3'-4')	Total/NA	Solid	8021B	19014
MB 880-19014/5-A	Method Blank	Total/NA	Solid	8021B	19014
LCS 880-19014/1-A	Lab Control Sample	Total/NA	Solid	8021B	19014
LCSD 880-19014/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19014
880-11145-11 MS	BH-3 (0-1')	Total/NA	Solid	8021B	19014
880-11145-11 MSD	BH-3 (0-1')	Total/NA	Solid	8021B	19014

Analysis Batch: 19117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Total/NA	Solid	8021B	19021
880-11145-2	BH-1 (1'-2')	Total/NA	Solid	8021B	19021
880-11145-3	BH-1 (2'-3')	Total/NA	Solid	8021B	19021
880-11145-4	BH-1 (3'-4')	Total/NA	Solid	8021B	19021
880-11145-5	BH-1 (4'-5')	Total/NA	Solid	8021B	19021

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 19117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-6	BH-1 (5'-6')	Total/NA	Solid	8021B	19021
880-11145-7	BH-2 (0-1')	Total/NA	Solid	8021B	19021
880-11145-8	BH-2 (1'-2')	Total/NA	Solid	8021B	19021
880-11145-9	BH-2 (2'-3')	Total/NA	Solid	8021B	19021
880-11145-10	BH-2 (3'-4')	Total/NA	Solid	8021B	19021
MB 880-19021/5-A	Method Blank	Total/NA	Solid	8021B	19021
MB 880-19022/5-A	Method Blank	Total/NA	Solid	8021B	19022
LCS 880-19021/1-A	Lab Control Sample	Total/NA	Solid	8021B	19021
LCSD 880-19021/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19021
880-11144-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	19021
880-11144-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19021

Analysis Batch: 19331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Total/NA	Solid	Total BTEX	
880-11145-2	BH-1 (1'-2')	Total/NA	Solid	Total BTEX	
880-11145-3	BH-1 (2'-3')	Total/NA	Solid	Total BTEX	
880-11145-4	BH-1 (3'-4')	Total/NA	Solid	Total BTEX	
880-11145-5	BH-1 (4'-5')	Total/NA	Solid	Total BTEX	
880-11145-6	BH-1 (5'-6')	Total/NA	Solid	Total BTEX	
880-11145-7	BH-2 (0-1')	Total/NA	Solid	Total BTEX	
880-11145-8	BH-2 (1'-2')	Total/NA	Solid	Total BTEX	
880-11145-9	BH-2 (2'-3')	Total/NA	Solid	Total BTEX	
880-11145-10	BH-2 (3'-4')	Total/NA	Solid	Total BTEX	

Analysis Batch: 19350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-11	BH-3 (0-1')	Total/NA	Solid	Total BTEX	
880-11145-12	BH-3 (1'-2')	Total/NA	Solid	Total BTEX	
880-11145-13	BH-3 (2'-3')	Total/NA	Solid	Total BTEX	
880-11145-14	BH-3 (3'-4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-11145-2	BH-1 (1'-2')	Total/NA	Solid	8015NM Prep	
MB 880-19033/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19033/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19033/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11137-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11137-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 19037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-8	BH-2 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11145-9	BH-2 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11145-10	BH-2 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11145-11	BH-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-11145-12	BH-3 (1'-2')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 19037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-13	BH-3 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11145-14	BH-3 (3'-4')	Total/NA	Solid	8015NM Prep	
MB 880-19037/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19037/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11144-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11144-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Total/NA	Solid	8015B NM	19033
880-11145-2	BH-1 (1'-2')	Total/NA	Solid	8015B NM	19033
880-11145-8	BH-2 (1'-2')	Total/NA	Solid	8015B NM	19037
880-11145-9	BH-2 (2'-3')	Total/NA	Solid	8015B NM	19037
880-11145-10	BH-2 (3'-4')	Total/NA	Solid	8015B NM	19037
880-11145-11	BH-3 (0-1')	Total/NA	Solid	8015B NM	19037
880-11145-12	BH-3 (1'-2')	Total/NA	Solid	8015B NM	19037
880-11145-13	BH-3 (2'-3')	Total/NA	Solid	8015B NM	19037
880-11145-14	BH-3 (3'-4')	Total/NA	Solid	8015B NM	19037
MB 880-19033/1-A	Method Blank	Total/NA	Solid	8015B NM	19033
MB 880-19037/1-A	Method Blank	Total/NA	Solid	8015B NM	19037
LCS 880-19033/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19033
LCS 880-19037/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19037
LCSD 880-19033/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19033
LCSD 880-19037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19037
880-11137-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19033
880-11137-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19033
880-11144-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19037
880-11144-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19037

Prep Batch: 19122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-3	BH-1 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11145-4	BH-1 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11145-5	BH-1 (4'-5')	Total/NA	Solid	8015NM Prep	
880-11145-6	BH-1 (5'-6')	Total/NA	Solid	8015NM Prep	
880-11145-7	BH-2 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-19122/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19122/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19122/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11191-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11191-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-3	BH-1 (2'-3')	Total/NA	Solid	8015B NM	19122
880-11145-4	BH-1 (3'-4')	Total/NA	Solid	8015B NM	19122
880-11145-5	BH-1 (4'-5')	Total/NA	Solid	8015B NM	19122
880-11145-6	BH-1 (5'-6')	Total/NA	Solid	8015B NM	19122
880-11145-7	BH-2 (0-1')	Total/NA	Solid	8015B NM	19122
MB 880-19122/1-A	Method Blank	Total/NA	Solid	8015B NM	19122

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 19227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-19122/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19122
LCSD 880-19122/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19122
880-11191-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	19122
880-11191-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19122

Analysis Batch: 19741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Total/NA	Solid	8015 NM	
880-11145-2	BH-1 (1'-2')	Total/NA	Solid	8015 NM	
880-11145-3	BH-1 (2'-3')	Total/NA	Solid	8015 NM	
880-11145-4	BH-1 (3'-4')	Total/NA	Solid	8015 NM	
880-11145-5	BH-1 (4'-5')	Total/NA	Solid	8015 NM	
880-11145-6	BH-1 (5'-6')	Total/NA	Solid	8015 NM	
880-11145-7	BH-2 (0-1')	Total/NA	Solid	8015 NM	
880-11145-8	BH-2 (1'-2')	Total/NA	Solid	8015 NM	
880-11145-9	BH-2 (2'-3')	Total/NA	Solid	8015 NM	
880-11145-10	BH-2 (3'-4')	Total/NA	Solid	8015 NM	
880-11145-11	BH-3 (0-1')	Total/NA	Solid	8015 NM	
880-11145-12	BH-3 (1'-2')	Total/NA	Solid	8015 NM	
880-11145-13	BH-3 (2'-3')	Total/NA	Solid	8015 NM	
880-11145-14	BH-3 (3'-4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-11145-2	BH-1 (1'-2')	Soluble	Solid	DI Leach	
880-11145-3	BH-1 (2'-3')	Soluble	Solid	DI Leach	
880-11145-4	BH-1 (3'-4')	Soluble	Solid	DI Leach	
880-11145-5	BH-1 (4'-5')	Soluble	Solid	DI Leach	
880-11145-6	BH-1 (5'-6')	Soluble	Solid	DI Leach	
MB 880-19065/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19065/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19065/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11142-A-8-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11142-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-11144-A-8-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11144-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-7	BH-2 (0-1')	Soluble	Solid	DI Leach	
880-11145-8	BH-2 (1'-2')	Soluble	Solid	DI Leach	
880-11145-9	BH-2 (2'-3')	Soluble	Solid	DI Leach	
880-11145-10	BH-2 (3'-4')	Soluble	Solid	DI Leach	
880-11145-11	BH-3 (0-1')	Soluble	Solid	DI Leach	
880-11145-12	BH-3 (1'-2')	Soluble	Solid	DI Leach	
880-11145-13	BH-3 (2'-3')	Soluble	Solid	DI Leach	
880-11145-14	BH-3 (3'-4')	Soluble	Solid	DI Leach	
MB 880-19415/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 19415 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-19415/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19415/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11145-7 MS	BH-2 (0-1')	Soluble	Solid	DI Leach	
880-11145-7 MSD	BH-2 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 19436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-1	BH-1 (0-1')	Soluble	Solid	300.0	19065
880-11145-2	BH-1 (1'-2')	Soluble	Solid	300.0	19065
880-11145-3	BH-1 (2'-3')	Soluble	Solid	300.0	19065
880-11145-4	BH-1 (3'-4')	Soluble	Solid	300.0	19065
880-11145-5	BH-1 (4'-5')	Soluble	Solid	300.0	19065
880-11145-6	BH-1 (5'-6')	Soluble	Solid	300.0	19065
MB 880-19065/1-A	Method Blank	Soluble	Solid	300.0	19065
LCS 880-19065/2-A	Lab Control Sample	Soluble	Solid	300.0	19065
LCSD 880-19065/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19065
880-11142-A-8-D MS	Matrix Spike	Soluble	Solid	300.0	19065
880-11142-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19065
880-11144-A-8-D MS	Matrix Spike	Soluble	Solid	300.0	19065
880-11144-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19065

Analysis Batch: 19574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11145-7	BH-2 (0-1')	Soluble	Solid	300.0	19415
880-11145-8	BH-2 (1'-2')	Soluble	Solid	300.0	19415
880-11145-9	BH-2 (2'-3')	Soluble	Solid	300.0	19415
880-11145-10	BH-2 (3'-4')	Soluble	Solid	300.0	19415
880-11145-11	BH-3 (0-1')	Soluble	Solid	300.0	19415
880-11145-12	BH-3 (1'-2')	Soluble	Solid	300.0	19415
880-11145-13	BH-3 (2'-3')	Soluble	Solid	300.0	19415
880-11145-14	BH-3 (3'-4')	Soluble	Solid	300.0	19415
MB 880-19415/1-A	Method Blank	Soluble	Solid	300.0	19415
LCS 880-19415/2-A	Lab Control Sample	Soluble	Solid	300.0	19415
LCSD 880-19415/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19415
880-11145-7 MS	BH-2 (0-1')	Soluble	Solid	300.0	19415
880-11145-7 MSD	BH-2 (0-1')	Soluble	Solid	300.0	19415

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-1

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 06:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 19:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		50			19436	02/16/22 09:25	CH	XEN MID

Client Sample ID: BH-1 (1'-2')

Lab Sample ID: 880-11145-2

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 06:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 20:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		20			19436	02/16/22 09:36	CH	XEN MID

Client Sample ID: BH-1 (2'-3')

Lab Sample ID: 880-11145-3

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 07:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19122	02/11/22 10:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19227	02/12/22 17:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		5			19436	02/16/22 09:48	CH	XEN MID

Client Sample ID: BH-1 (3'-4')

Lab Sample ID: 880-11145-4

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 07:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (3'-4')

Lab Sample ID: 880-11145-4

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19122	02/11/22 10:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19227	02/12/22 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		5			19436	02/16/22 10:00	CH	XEN MID

Client Sample ID: BH-1 (4'-5')

Lab Sample ID: 880-11145-5

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 08:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19122	02/11/22 10:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19227	02/12/22 18:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		5			19436	02/16/22 10:12	CH	XEN MID

Client Sample ID: BH-1 (5'-6')

Lab Sample ID: 880-11145-6

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 08:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	19122	02/11/22 10:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19227	02/12/22 19:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 10:24	CH	XEN MID

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

Lab Sample ID: 880-11145-7

Date Collected: 02/08/22 00:00
Matrix: Solid
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 08:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19122	02/11/22 10:14	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19227	02/12/22 19:26	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-7
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		20			19574	02/16/22 09:46	CH	XEN MID

Client Sample ID: BH-2 (1'-2')

Lab Sample ID: 880-11145-8
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 09:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		10			19574	02/16/22 10:12	CH	XEN MID

Client Sample ID: BH-2 (2'-3')

Lab Sample ID: 880-11145-9
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 09:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 03:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		5			19574	02/16/22 10:21	CH	XEN MID

Client Sample ID: BH-2 (3'-4')

Lab Sample ID: 880-11145-10
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 09:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 03:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		1			19574	02/16/22 10:30	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11145-11
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19014	02/11/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/11/22 11:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 03:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		1			19574	02/16/22 10:39	CH	XEN MID

Client Sample ID: BH-3 (1'-2')

Lab Sample ID: 880-11145-12
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19014	02/11/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/11/22 12:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 04:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		1			19574	02/16/22 11:05	CH	XEN MID

Client Sample ID: BH-3 (2'-3')

Lab Sample ID: 880-11145-13
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19014	02/11/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/11/22 12:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 04:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		1			19574	02/16/22 11:14	CH	XEN MID

Client Sample ID: BH-3 (3'-4')

Lab Sample ID: 880-11145-14
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

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	19014	02/11/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/11/22 12:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Client Sample ID: BH-3 (3'-4')
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Lab Sample ID: 880-11145-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19741	02/17/22 15:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 04:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		1			19574	02/16/22 11:23	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

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

Method Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea 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 Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global
Project/Site: South Vacuum Unit 265

Job ID: 880-11145-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11145-1	BH-1 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-2	BH-1 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-3	BH-1 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-4	BH-1 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-5	BH-1 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-6	BH-1 (5'-6')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-7	BH-2 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-8	BH-2 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-9	BH-2 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-10	BH-2 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-11	BH-3 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-12	BH-3 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-13	BH-3 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11145-14	BH-3 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 11145

2/24/2022

Page 1 of 2

Project Manager	Gordon Banks	Bill to: (if different)	
Company Name	NTG Environmental	Company Name:	
Address	701 Tradewinds BLVD	Address	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone	432-813-0263	Email	NTG Midland

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	South Vacuum Unit 265	Turn Around	
Project Number	214800	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name:	NH/DW	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR6
Cooler Custody Seals:	Yes No (N/A)	Correction Factor	1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.2
Total Containers:		Corrected Temperature:	0.3

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
BH-1 (0-1')	2/8/2022		X		G	1		X	X	X		
BH-1 (1'-2')	2/8/2022		X		G	1		X	X	X		
BH-1 (2'-3')	2/8/2022		X		G	1		X	X	X		
BH-1 (3'-4')	2/8/2022		X		G	1		X	X	X		
BH-1 (4'-5')	2/8/2022		X		G	1		X	X	X		
BH-1 (5'-6')	2/8/2022		X		G	1		X	X	X		
BH-2 (0'-1')	2/8/2022		X		G	1		X	X	X		
BH-2 (1'-2')	2/8/2022		X		G	1		X	X	X		
BH-2 (2'-3')	2/8/2022		X		G	1		X	X	X		
BH-2 (3'-4')	2/8/2022		X		G	1		X	X	X		

880-11145 Chain of Custody

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/9/22 16:22	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 11145

2/24/2022

Page 2 of 2

Project Manager	Gordon Banks	Bill to: (if different)	
Company Name.	NTG Environmental	Company Name	
Address.	701 Tradewinds BLVD	Address.	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone	432-813-0263	Email	NTG Midland

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	South Vacuum Unit 265	Turn Around	
Project Number	214800	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name	NH/DW	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes (No) Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor	.1
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	10.3
Total Containers:		Corrected Temperature:	10.3

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
BH-3 (0'-1')	2/8/2022		X		G	1		X	X	X		
BH-3 (1'-2')	2/8/2022		X		G	1		X	X	X		
BH-3 (2'-3')	2/8/2022		X		G	1		X	X	X		
BH-3 (3'-4')	2/8/2022		X		G	1		X	X	X		

Parameters

Additoinal Comments:

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Nicu Stas	[signature]	2/9/22 16:23	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-11145-1
SDG Number: Lea Co, NM

Login Number: 11145
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135152045
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?	60+ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135152045
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: Cato Clark Title: Vice President Land

Signature: Date: 6-21-22

email: clark@catenares.com Telephone: 346-200-7594

OCD Only

Received by: Date:

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135152045
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: Cato Clark Title: Vice President Land

Signature: [signature] Date: 6-21-22

email: clark@catenares.com Telephone: 346-200-7894

OCD Only

Received by: _____ Date: _____

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

Signature: Jennifer Nobui Date: 07/26/2022

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 118312

CONDITIONS

Operator:	OGRID:
Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	328449
	Action Number: 118312
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. Going forward, please include well permit from OSE in report. Boring advanced for groundwater determination was 0.87 miles from site, in future please ensure temporary well is 0.5 miles from release area.	7/26/2022