

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	nAPP2135152879
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) nAPP2135152879
Contact mailing address 1001 Fannin St., Suite 2200, Houston, TX 77002	

Location of Release Source

Latitude 32.7057762 Longitude -103.4258499
(NAD 83 in decimal degrees to 5 decimal places)

Site Name South Vacuum Unit 351	Site Type Wellhead
Date Release Discovered 7/9/2019	API# (if applicable) 30-025-03150

Unit Letter	Section	Township	Range	County
G	35	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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 77	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 wellhead.

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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 <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Cato Clark</u>	Title: <u>Vice President Land</u>
Signature: 	Date: <u>1/10/22</u>
email: <u>clark@catenares.com</u>	Telephone: <u>346-200-7894</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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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.

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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 ClarkTitle: Vice President LandSignature: Date: 6-21-22email: clark@catenares.comTelephone: 346-200-7594**OCD Only**

Received by: _____

Date: _____

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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: 

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 ApprovedSignature: 

Date: 07/05/2022



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 #351
Catena Resources, LLC
Site Location: Unit G, S35, T18S, R35E
(Lat 32.7057762°, Long -103.4258499°)
Lea County, New Mexico
Incident # nAPP2135152879

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 351 location (Site) on July 19, 2021. The Site is located in Lea County approximately 17.4 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 19, 2021 and was a result of equipment failure at the injection header. The equipment failure resulted in the release of approximately 77 barrels (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 4 wells were drilled in the past 25 years. The nearest identified well was drilled in 1957 and is located approximately 0.18 miles southwest 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 0.34 mile northwest 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.

**Creating a Better Environment
For Oil & Gas Operations**

Mr. Mike Bratcher
April 28, 2022
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Regulatory Criteria

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

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

Site Assessment

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

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

Initial Assessment

On October 21, 2021, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of 4 sample points (S-1 through S-4) were installed within the release area to characterize the impacts. Additionally, 5 horizontal delineation sample points (H-1 through H-5) 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 chloride concentrations across the release area (S1 – S4). Additionally, TPH concentrations in soil sample H-1 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 areas of S-1 – S-4 and horizontally delineate soil impacts in the areas of H-1 and H-3. In the areas of S-1 – S-4, trenches were installed to depths ranging from 1 – 5 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.

Mr. Mike Bratcher
April 28, 2022
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The additional soil samples collected from the areas of H-1 and H-3 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 and of the area except the area of S-3/T-3 where samples collected from the 5 ft depth interval were below the regulatory limits. The impacted extended to the total depths of the remaining trenches. Further assessment was required to assess the vertical extent of impacts in remaining areas.

Analytical results from the additional horizontal delineation sampling in the areas of H-1 and H-3 indicate the horizontal extent of impacts were defined. No further horizontal delineation sampling was required.

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 2 soil borings (BH-1 and BH-4) were installed using a geoprobe drilling unit with hollow-stem augers. The soil borings were advanced to depths ranging from 8 to 13 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 in BH-1 and BH-4. 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 entire release area to include the areas of S-1/T-1, BH-1, S-4/T-4, BH-4, S-3/T-3, H-1, and H-3 will be excavated to a depth of 4 ft bgs and backfilled with clean material to grade.

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

Mr. Mike Bratcher
April 28, 2022
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Closing

The remediation will be implemented within 90 days of work plan approval. It is estimated that approximately 3,265 cubic yards (yd³) 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 2
Catena Resources, LLC
South Vacuum Unit 351
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (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'	<50.0	6,130	1,480	7,610	7,610	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,470
T-1	12/8/2021	0-1'	<25.0	511	783	1,294	1,294	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	5,940
		1'	<25.0	382	236	618	618	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	2,240
BH-1	2/8/2022	(0-1')	<50.0	70.6	<50.0	71	70.6	<0.00200	0.00215	<0.00200	<0.00400	<0.00400	2,490
		(1-2')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,710
		(2-3')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,050
		(3-4')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	906
		(4-5')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,100
		(5-6')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	970
		(6-7')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	851
		(7-8')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	894
		(8-9')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00293	<0.00200	<0.00401	<0.00401	955
		(9-10')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00372	<0.00202	<0.00404	0.00451	1,180
		(10-11')	<49.9	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,300
		(11-12')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,220
(12-13')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	89.9		
S-2	10/20/2021	0-0.5'	<49.8	266	149	415	415	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,720
T-2	12/8/2021	0-1'	<25.0	41.8	105	147	147	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,840
		1'	<25.0	37.2	56.8	94.0	94.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,330
S-3	10/20/2021	0-0.5'	<50.0	153	63.7	217	217	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,750
T-3	12/8/2021	0-1'	<25.0	38.4	81.4	120	120	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	944
		1'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,150
		2'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,770
		3'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,410
		4'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,040
		5'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	20.0
S-4	10/20/2021	0-0.5'	<49.8	1,100	368	1,468	1,468	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,200

Table 2
Catena Resources, LLC
South Vacuum Unit 351
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (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						
T-4	12/8/2021	0-1'	<25.0	2,260	1,450	3,710	3,710	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	20,800
		1'	<25.0	323	262	585	585	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	7,220
		2'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,690
		3'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	2,180
		4'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	2,000
BH-4	2/8/2022	(0-1')	<50.0	762	<50.0	762	762	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,150
		(1-2')	<49.9	<49.9	<49.9	<50.0	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,110
		(2-3')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,610
		(3-4')	<49.9	<49.9	<49.9	<50.0	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,660
		(4-5')	<49.9	<49.9	<49.9	<50.0	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	889
		(5-6')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	644
		(6-7')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	760
		(7-8')	<50.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	0.80800	38.1
Horizontal Delineation Samples													
H-1	10/20/21	0-0.5'	<50.0	139	79.4	218.4	218.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	31.0
H-1 (b)	12/8/2021	0-0.5'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	118
H-2	10/20/2021	0-0.5'	<49.9	80.9	<49.9	<50.0	80.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	80.3
H-3	10/20/2021	0-0.5'	<49.9	124	52.2	176.2	176.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	154
H-3 (b)	12/8/2021	0-0.5'	<25.0	<20.0	<50.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	84.6
H-4	10/20/2021	0-0.5'	<49.9	65.9	<49.9	<50.0	65.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	203
H-5	10/20/2021	0-0.5'	<49.9	68.7	<49.9	<50.0	68.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	26.9
Regulatory Limits ^A			-	-	-	1,000	2,500	10	-	-	-	50	10,000

 - exceeds regulatory limit

 - below regulatory limit; however, will be excavated.

mg/kg - milligram per kilogram

GRO - gasoline range organics

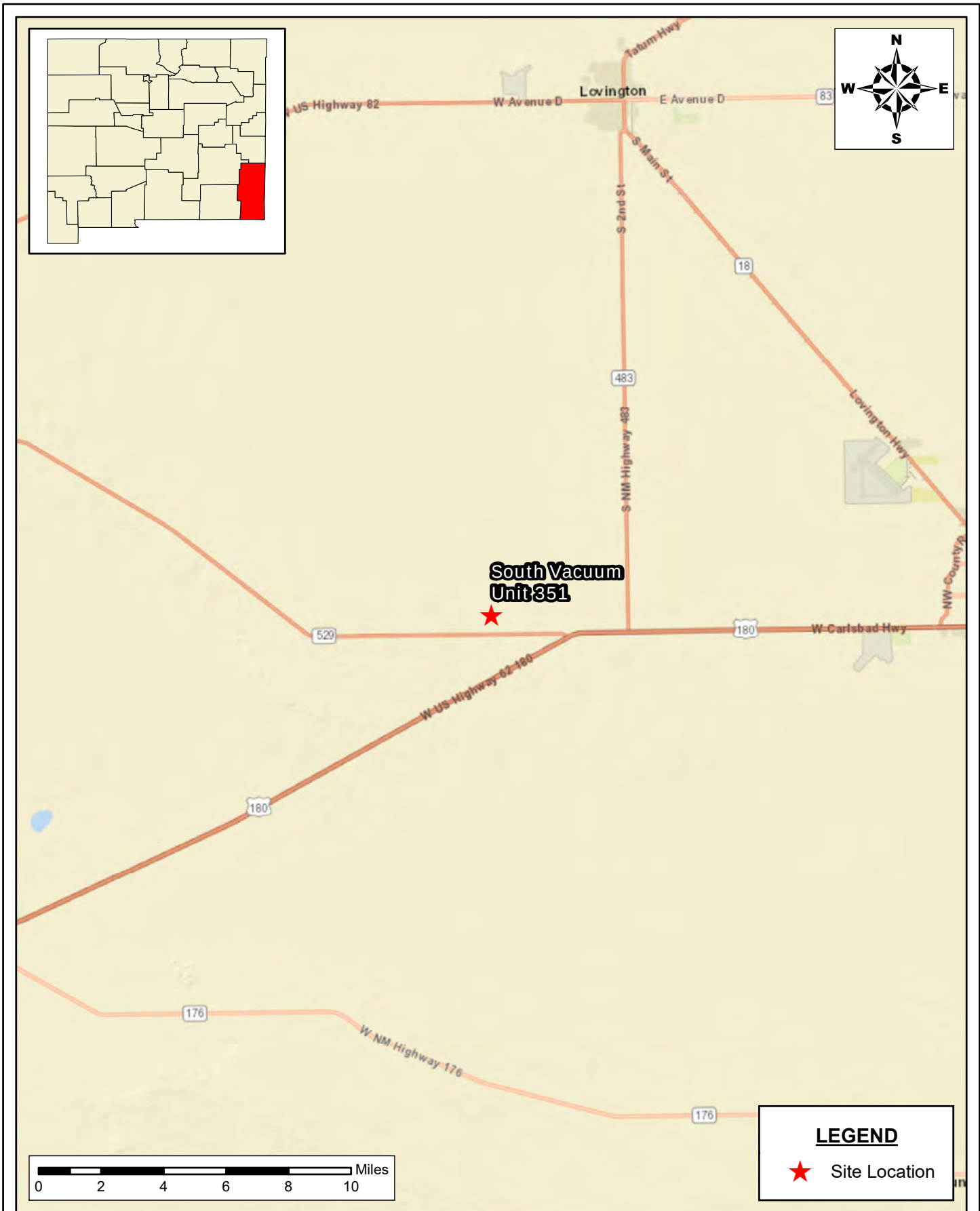
DRO - diesel range organics

ORO - oil range organics

A – Table 1 - 19.15.29 NMAC

Figures

Document Path: M:\GIS Templates\New Templates\RSC\Midland\GIS\Geodatabase\Figure_1_SLM\Map_12082021.mxd



SITE LOCATION MAP
CATENA RESOURCES, LLC
 SOUTH VACUUM UNIT 351
 LEA COUNTY, NEW MEXICO
 32.7057762, -103.4258499

SCALE: As Shown

Date: 12/8/2021

PROJECT #: 214801



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

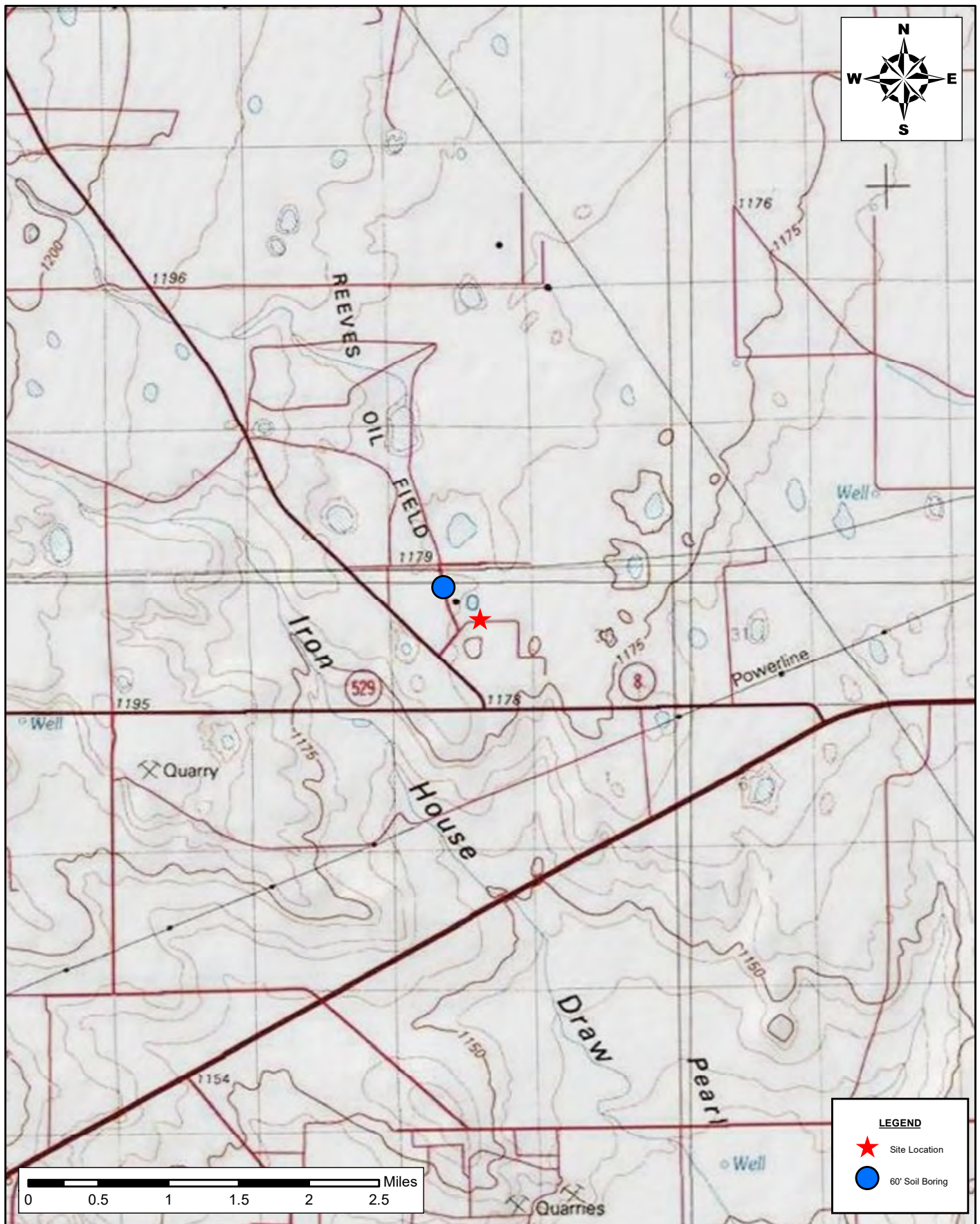
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214801 South Vacuum Unit 351\7 - Figures\MXD\Figure_2_AMap_04272022.mxd



AREA MAP
CATENA RESOURCES, LLC
 SOUTH VACUUM UNIT 351
 LEA COUNTY, NEW MEXICO
 32.7057762°, -104.4258499°

SCALE: As Shown Date: 4/27/2022 PROJECT #: 214801

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

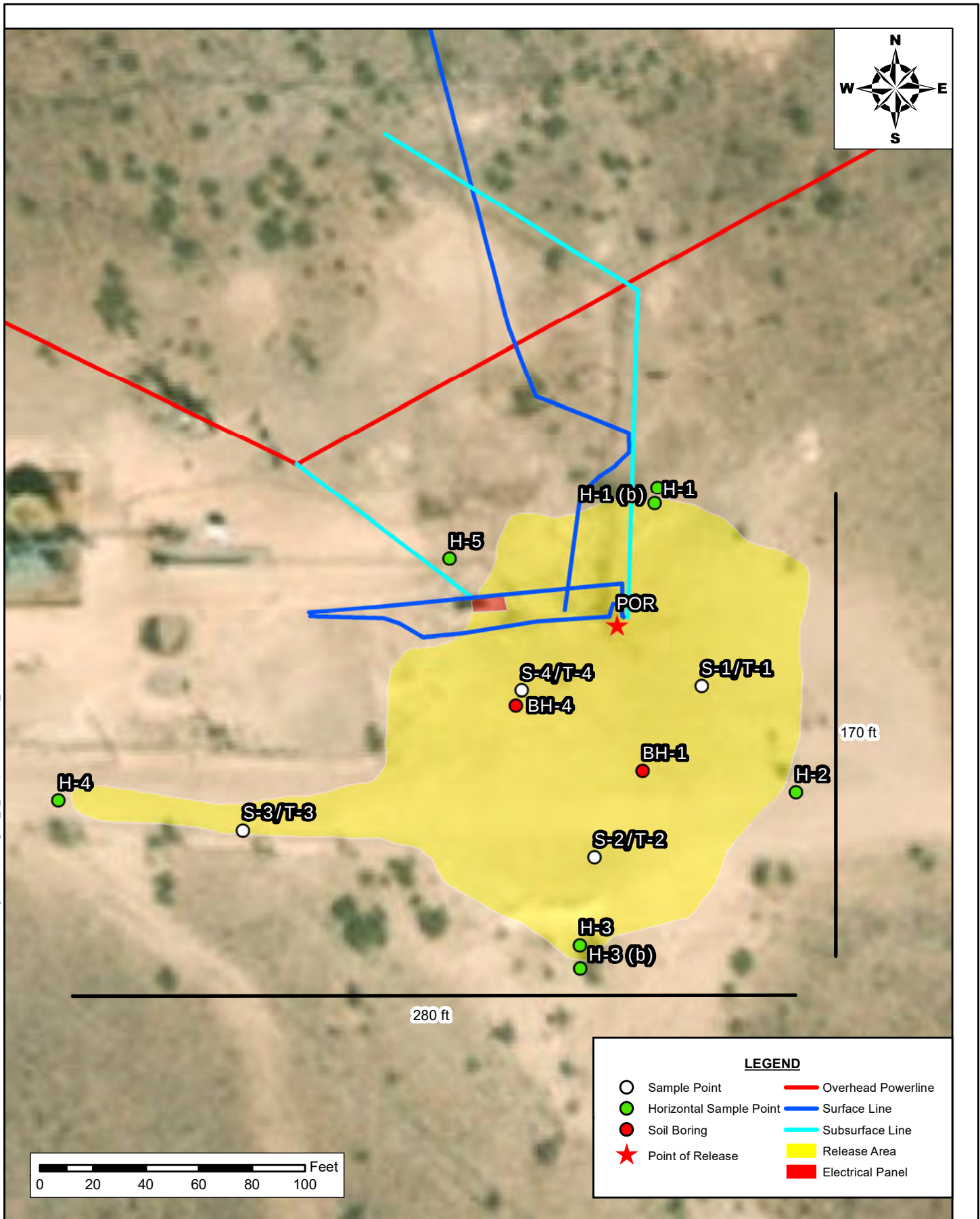
DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214801 South Vacuum Unit 351\7 - Figures\MXD\Figure_3_SampleLocationMap_03152022.mxd



SAMPLE LOCATION MAP
CATENA RESOURCES, LLC
 SOUTH VACUUM UNIT #351
 LEA COUNTY, NEW MEXICO
 32.7057762°, -104.4258499°

SCALE: As Shown

Date: 3/15/2022

PROJECT #: 214801



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

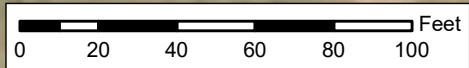
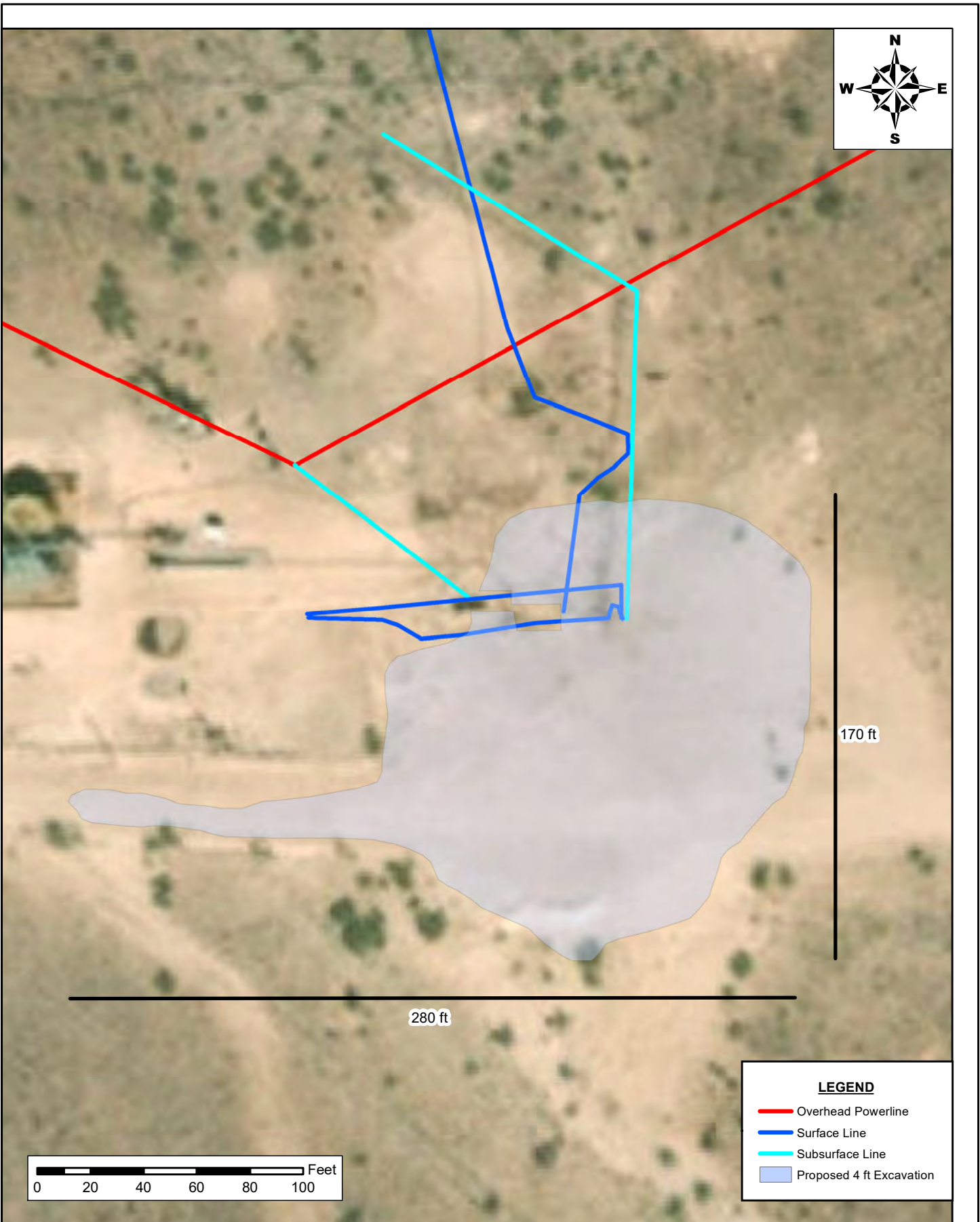
DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

Document Path: P:\2021 PROJECTS\CATENA\RSC\214801 South Vacuum Unit 351\7 - Figures\MXD\Figure_4_ProposedExcavationMap2_03152022.mxd



LEGEND

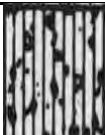
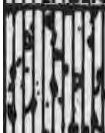
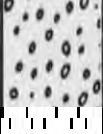
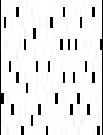
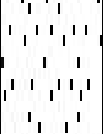
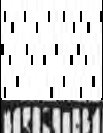
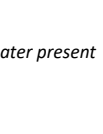
- Overhead Powerline
- Surface Line
- Subsurface Line
- Proposed 4 ft Excavation

PROPOSED EXCAVATION MAP CATENA RESOURCES, LLC SOUTH VACUUM UNIT #351 LEA COUNTY, NEW MEXICO 32.7057762°, -104.4258499°			NTG 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	
SCALE: As Shown	Date: 4/27/2022	PROJECT #: 214801					SHEET NUMBER: 1 of 1	

Boring Log



Project Name :	Catena - South Vacuum 351	Date :	April 19, 2022
Project No. :	214801	Sampler :	Nick Hart
Location :	Lea Co, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.7064056°, -103.4246445°	Method :	Air Rotary
Elevation :	1156 M		

Depth (ft.)	WL	Soil Description	Lithology	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		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	
5				55			
10				60			
15		(14') - Yellowish orange to light brown, coarse - medium grained sand with <50% coarse grained, well cemented caliche/chert. (SP). Dry		65			
20				70			
25				75			
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		80			
35				85			
40				90			
45				95			
50				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 351

County: Lea County, New Mexico

Description:

View looking west of sample points H-2, S-1, and S-4.



Photograph No. 2

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking southwest of sample points H-2, S-1, and S-4.



Photograph No. 3

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking southwest of sample points S-1, and H-3.



PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 4

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking southwest of sample points S-2, and H-3.



Photograph No. 5

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking northeast of sample points S-1, S-2, S-4, and H-2.



Photograph No. 6

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking west of sample points S-3, and H-4.



PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 7

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking east of sample points S-3, and H-4.



Photograph No. 8

Facility: South Vacuum Unit 351

County: Lea County, New Mexico

Description:

View looking west of sample points S-4 and H-5.



Photograph No. 9

Facility: South Vacuum Unit 351

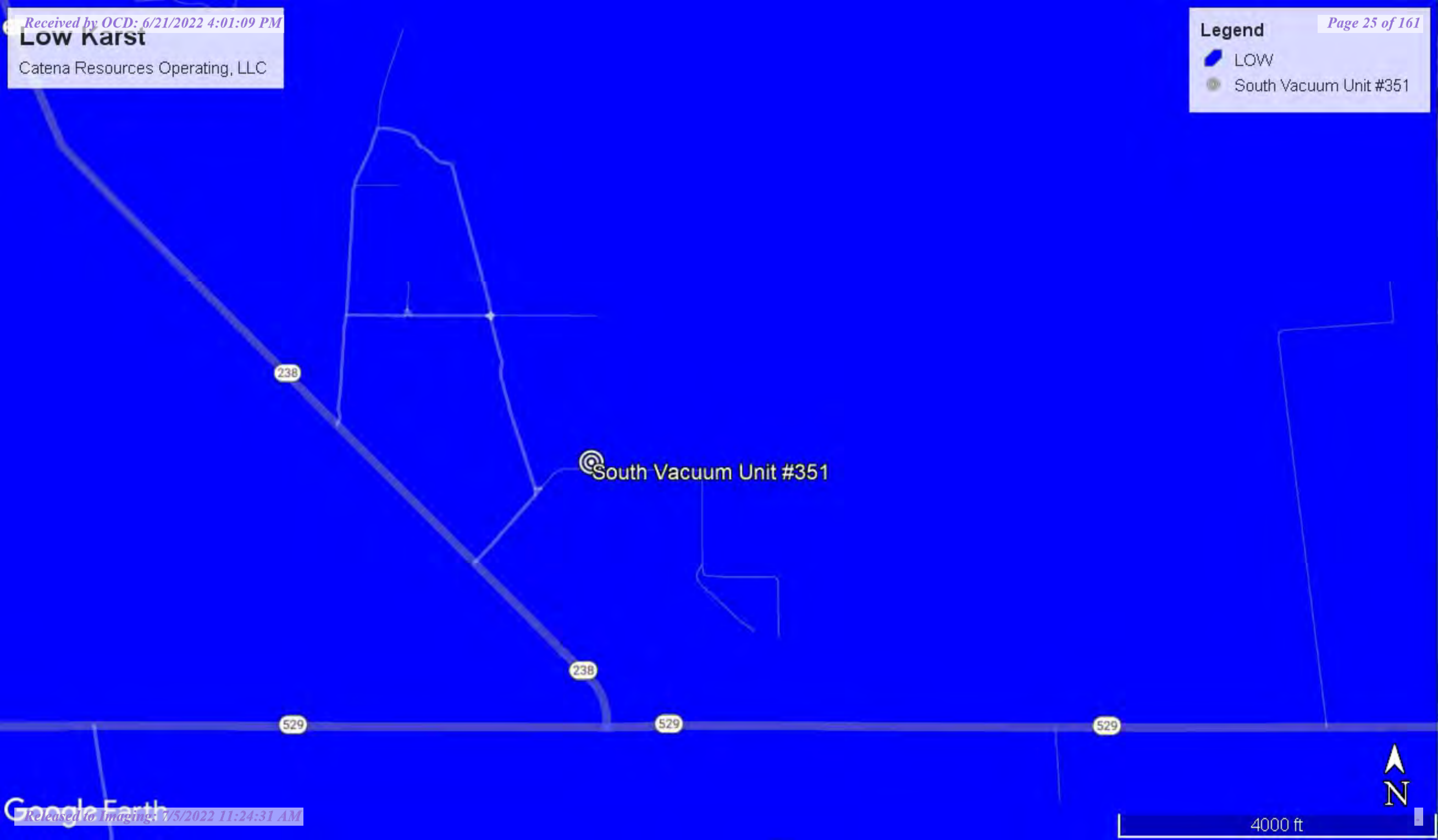
County: Lea County, New Mexico

Description:

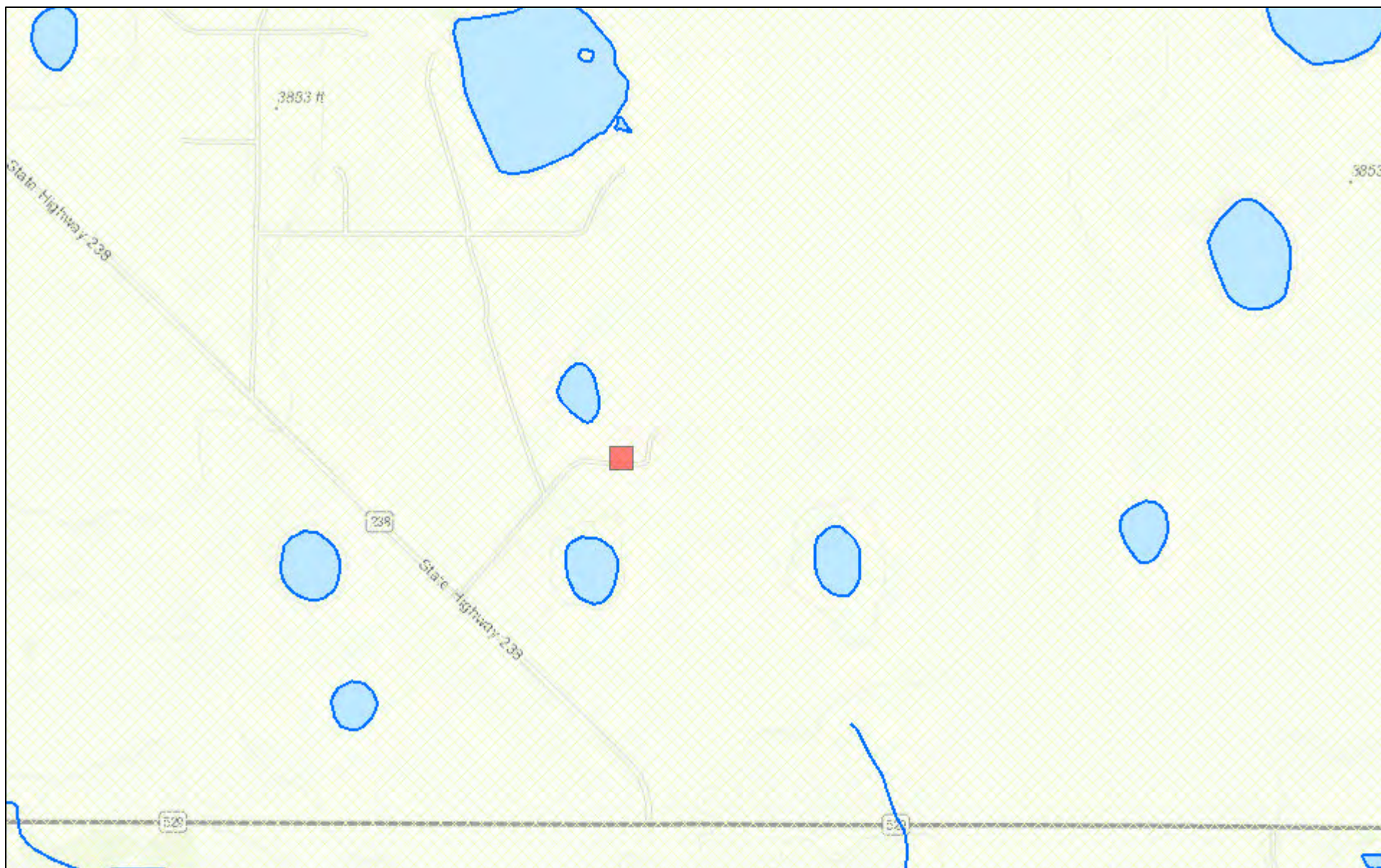
View looking southwest of point of release (POR) and wellhead.



Site Characterization Information

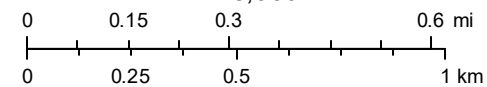


New Mexico NFHL Data



October 26, 2021

1:18,056



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

Nearest water well

Catena Resources Operating, LLC

Legend

- 0.18 Miles
- 0.25 Miles
- 0.31 Miles
- 0.36 Miles
- 0.50 Mile Radius
- 0.64 Miles
- NMSEO Water Well
- South Vacuum Unit #351
- USGS Water Well





New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
L	09958	4	2	2	35	18S	35E	648040	3620074*

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE
Driller Name: GLENN, CLARK A.

Drill Start Date: 10/12/1987 **Drill Finish Date:** 10/12/1987 **Plug Date:**
Log File Date: 10/22/1987 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 100 GPM
Casing Size: 6.62 **Depth Well:** 150 feet **Depth Water:** 55 feet

Water Bearing Stratifications:	Top	Bottom	Description
	56	160	Other/Unknown

Casing Perforations:	Top	Bottom
	122	153

Meter Number:	8553	Meter Make:	MASTER
Meter Serial Number:	2057376	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
03/17/2004	2004	47084	A	jw		0
04/26/2004	2004	49141	A	jw		0.631

**YTD Meter Amounts:	Year	Amount
	2004	0.631

*UTM location was derived from PLSS - see Help

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

10/26/21 2:57 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	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

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

10/26/21 1:17 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 09524	1	4	35	18S	35E		647552	3619364* 
Driller License:	882	Driller Company:		LARRY'S DRILLING & PUMP CO.					
Driller Name:	FELKINS, LARRY								
Drill Start Date:	07/13/1984	Drill Finish Date:		07/13/1984		Plug Date:		08/08/1985	
Log File Date:	07/23/1984	PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:		100 GPM	
Casing Size:	6.63	Depth Well:		140 feet		Depth Water:		57 feet	
Water Bearing Stratifications:				Top	Bottom	Description			
				60	140	Other/Unknown			
Casing Perforations:				Top	Bottom				
				120	140				

*UTM location was derived from PLSS - see Help

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

10/26/21 2:55 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
L	03678				35	18S	35E	647354	3619554* 
Driller License:	99	Driller Company:		O.R. MUSSELWHITE WATER WELL SE					
Driller Name:	MUSSELWHITE, O.R.								
Drill Start Date:	09/17/1957	Drill Finish Date:		09/18/1957		Plug Date:		09/30/1962	
Log File Date:	09/24/1957	PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:	6.00	Depth Well:		115 feet		Depth Water:		60 feet	
Water Bearing Stratifications:				Top	Bottom	Description			
				70	110	Sandstone/Gravel/Conglomerate			
Casing Perforations:				Top	Bottom				
				75	115				

*UTM location was derived from PLSS - see Help

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

10/26/21 2:52 PM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

New Mexico

GO

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324205103253101

Minimum number of levels = 1

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

USGS 324205103253101 18S.35E.35.23143

Lea County, New Mexico

Latitude 32°42'05", Longitude 103°25'31" NAD27

Land-surface elevation 3,865 feet above NAVD88

The depth of the well is 115 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHLN) 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
1961-03-23		D	62610		3805.98	NGVD29	1	Z			A
1961-03-23		D	62611		3807.55	NAVD88	1	Z			A
1961-03-23		D	72019	57.45			1	Z			A
1966-03-18		D	62610		3805.64	NGVD29	1	Z			A
1966-03-18		D	62611		3807.21	NAVD88	1	Z			A
1966-03-18		D	72019	57.79			1	Z			A
1971-01-20		D	62610		3807.11	NGVD29	1	Z			A
1971-01-20		D	62611		3808.68	NAVD88	1	Z			A
1971-01-20		D	72019	56.32			1	Z			A
1976-02-10		D	62610		3805.88	NGVD29	1	Z			A
1976-02-10		D	62611		3807.45	NAVD88	1	Z			A
1976-02-10		D	72019	57.55			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.

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

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[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	nAPP2135152879
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) nAPP2135152879
Contact mailing address 1001 Fannin St., Suite 2200, Houston, TX 77002	

Location of Release Source

Latitude 32.7057762 Longitude -103.4258499
(NAD 83 in decimal degrees to 5 decimal places)

Site Name South Vacuum Unit 351	Site Type Wellhead
Date Release Discovered 7/9/2019	API# (if applicable) 30-025-03150

Unit Letter	Section	Township	Range	County
G	35	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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 77	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 wellhead.

Form C-141

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	nAPP2135152879
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 <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Cato Clark</u>	Title: <u>Vice President Land</u>
Signature: <u></u>	Date: <u>1/10/22</u>
email: <u>clark@catenares.com</u>	Telephone: <u>346-200-7894</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>01/31/2022</u>

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 74886

CONDITIONS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 74886
	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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-7521-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: South Vaccum Unit 351

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:
11/1/2021 2:20:28 PM

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

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

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

Client: NT Global
Project/Site: South Vaccum Unit 351

Laboratory Job ID: 880-7521-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
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
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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 351

Job ID: 880-7521-1
SDG: Lea Co, NM

Job ID: 880-7521-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7521-1

Receipt

The samples were received on 10/25/2021 11:02 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 880-10593 and analytical batch 880-10594 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.

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 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-1

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 16:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 16:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 16:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 16:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 16:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/25/21 14:32	10/28/21 16:08	1
1,4-Difluorobenzene (Surr)	113		70 - 130	10/25/21 14:32	10/28/21 16:08	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	7610		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		10/28/21 16:32	10/29/21 22:38	1
Diesel Range Organics (Over C10-C28)	6130		50.0		mg/Kg		10/28/21 16:32	10/29/21 22:38	1
Oil Range Organics (Over C28-C36)	1480		50.0		mg/Kg		10/28/21 16:32	10/29/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/28/21 16:32	10/29/21 22:38	1
o-Terphenyl	119		70 - 130	10/28/21 16:32	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	2470		24.9		mg/Kg			10/29/21 15:46	5

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

Lab Sample ID: 880-7521-2

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 16:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 16:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 16:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/25/21 14:32	10/28/21 16:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:32	10/28/21 16:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/25/21 14:32	10/28/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/25/21 14:32	10/28/21 16:29	1
1,4-Difluorobenzene (Surr)	112		70 - 130	10/25/21 14:32	10/28/21 16:29	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-2

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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	415		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		10/28/21 16:32	10/29/21 22:57	1
Diesel Range Organics (Over C10-C28)	266		49.8		mg/Kg		10/28/21 16:32	10/29/21 22:57	1
Oil Range Organics (Over C28-C36)	149		49.8		mg/Kg		10/28/21 16:32	10/29/21 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/28/21 16:32	10/29/21 22:57	1
o-Terphenyl	114		70 - 130				10/28/21 16:32	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	5720		49.7		mg/Kg			10/29/21 15:53	10

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

Lab Sample ID: 880-7521-3

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 16:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 16:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 16:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 16:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 16:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/25/21 14:32	10/28/21 16:49	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/25/21 14:32	10/28/21 16:49	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	217		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		10/28/21 16:32	10/29/21 23:17	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-3

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	153		50.0		mg/Kg		10/28/21 16:32	10/29/21 23:17	1
Oil Range Organics (Over C28-C36)	63.7		50.0		mg/Kg		10/28/21 16:32	10/29/21 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/28/21 16:32	10/29/21 23:17	1
o-Terphenyl	103		70 - 130				10/28/21 16:32	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	6750		49.8		mg/Kg			10/29/21 16:00	10

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

Lab Sample ID: 880-7521-4

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 17:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 17:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 17:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 17:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 17:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/25/21 14:32	10/28/21 17:10	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/25/21 14:32	10/28/21 17:10	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	1470		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		10/28/21 16:32	10/29/21 23:37	1
Diesel Range Organics (Over C10-C28)	1100		49.8		mg/Kg		10/28/21 16:32	10/29/21 23:37	1
Oil Range Organics (Over C28-C36)	368		49.8		mg/Kg		10/28/21 16:32	10/29/21 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/28/21 16:32	10/29/21 23:37	1
o-Terphenyl	104		70 - 130				10/28/21 16:32	10/29/21 23:37	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-4

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9200	F1	99.8		mg/Kg			10/29/21 12:17	20

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

Lab Sample ID: 880-7521-5

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 17:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 17:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 17:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:32	10/28/21 17:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:32	10/28/21 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/25/21 14:32	10/28/21 17:31	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/25/21 14:32	10/28/21 17:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			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	218		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		10/28/21 16:32	10/29/21 23:57	1
Diesel Range Organics (Over C10-C28)	139		50.0		mg/Kg		10/28/21 16:32	10/29/21 23:57	1
Oil Range Organics (Over C28-C36)	79.4		50.0		mg/Kg		10/28/21 16:32	10/29/21 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/28/21 16:32	10/29/21 23:57	1
o-Terphenyl	94		70 - 130				10/28/21 16:32	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	31.0		5.02		mg/Kg			10/29/21 12:38	1

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

Lab Sample ID: 880-7521-6

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:32	10/28/21 17:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:32	10/28/21 17:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:32	10/28/21 17:51	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-6

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/25/21 14:32	10/28/21 17:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:32	10/28/21 17:51	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/25/21 14:32	10/28/21 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				10/25/21 14:32	10/28/21 17:51	1
1,4-Difluorobenzene (Surr)	111		70 - 130				10/25/21 14:32	10/28/21 17:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			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	80.9		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		10/28/21 16:32	10/30/21 00:18	1
Diesel Range Organics (Over C10-C28)	80.9		49.9		mg/Kg		10/28/21 16:32	10/30/21 00:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 16:32	10/30/21 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				10/28/21 16:32	10/30/21 00:18	1
o-Terphenyl	109		70 - 130				10/28/21 16:32	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	80.3		4.97		mg/Kg			10/29/21 12:45	1

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

Lab Sample ID: 880-7521-7

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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		10/26/21 09:12	10/27/21 02:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 02:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 02:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/21 09:12	10/27/21 02:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 02:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/21 09:12	10/27/21 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				10/26/21 09:12	10/27/21 02:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/26/21 09:12	10/27/21 02:26	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			11/01/21 13:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-7

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	176		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		10/28/21 16:32	10/30/21 00:38	1
Diesel Range Organics (Over C10-C28)	124		49.9		mg/Kg		10/28/21 16:32	10/30/21 00:38	1
Oil Range Organics (Over C28-C36)	52.2		49.9		mg/Kg		10/28/21 16:32	10/30/21 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/28/21 16:32	10/30/21 00:38	1
o-Terphenyl	100		70 - 130				10/28/21 16:32	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	154		4.95		mg/Kg			10/29/21 12:52	1

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

Lab Sample ID: 880-7521-8

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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		10/26/21 09:12	10/27/21 02:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/21 09:12	10/27/21 02:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/21 09:12	10/27/21 02:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/21 09:12	10/27/21 02:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/21 09:12	10/27/21 02:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/21 09:12	10/27/21 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				10/26/21 09:12	10/27/21 02:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130				10/26/21 09:12	10/27/21 02:46	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	65.9		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		10/28/21 16:32	10/30/21 01:19	1
Diesel Range Organics (Over C10-C28)	65.9		49.9		mg/Kg		10/28/21 16:32	10/30/21 01:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 16:32	10/30/21 01:19	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-8

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/28/21 16:32	10/30/21 01:19	1
o-Terphenyl	110		70 - 130	10/28/21 16:32	10/30/21 01:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		4.95		mg/Kg			10/29/21 13:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

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

Lab Sample ID: 880-7521-9

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 03:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 03:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 03:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/21 09:12	10/27/21 03:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/27/21 03:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/21 09:12	10/27/21 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	10/26/21 09:12	10/27/21 03:07	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/26/21 09:12	10/27/21 03:07	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	68.7		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		10/28/21 16:32	10/30/21 01:40	1
Diesel Range Organics (Over C10-C28)	68.7		49.9		mg/Kg		10/28/21 16:32	10/30/21 01:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 16:32	10/30/21 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	10/28/21 16:32	10/30/21 01:40	1
o-Terphenyl	105		70 - 130	10/28/21 16:32	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	26.9		5.04		mg/Kg			10/29/21 13:21	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
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)
880-7521-1	S-1 (0-6")	101	113
880-7521-2	S-2 (0-6")	95	112
880-7521-3	S-3 (0-6")	92	112
880-7521-4	S-4 (0-6")	96	101
880-7521-5	H-1 (0-6")	93	104
880-7521-6	H-2 (0-6")	103	111
880-7521-7	H-3 (0-6")	125	93
880-7521-8	H-4 (0-6")	125	98
880-7521-9	H-5 (0-6")	139 S1+	105
880-7523-A-1-A MS	Matrix Spike	89	81
880-7523-A-1-B MSD	Matrix Spike Duplicate	106	100
880-7548-A-1-B MS	Matrix Spike	106	104
880-7548-A-1-C MSD	Matrix Spike Duplicate	115	109
LCS 880-10446/1-A	Lab Control Sample	100	91
LCS 880-10593/1-A	Lab Control Sample	107	107
LCSD 880-10446/2-A	Lab Control Sample Dup	100	89
LCSD 880-10593/2-A	Lab Control Sample Dup	104	107
MB 880-10200/5-A	Method Blank	116	101
MB 880-10435/5-A	Method Blank	109	105
MB 880-10446/5-A	Method Blank	114	103
MB 880-10593/5-A	Method Blank	110	95
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)
880-7440-A-2-E MS	Matrix Spike	101	95
880-7440-A-2-F MSD	Matrix Spike Duplicate	103	100
880-7521-1	S-1 (0-6")	109	119
880-7521-2	S-2 (0-6")	118	114
880-7521-3	S-3 (0-6")	100	103
880-7521-4	S-4 (0-6")	107	104
880-7521-5	H-1 (0-6")	93	94
880-7521-6	H-2 (0-6")	105	109
880-7521-7	H-3 (0-6")	104	100
880-7521-8	H-4 (0-6")	111	110
880-7521-9	H-5 (0-6")	107	105
LCS 880-10871/2-A	Lab Control Sample	102	96
LCSD 880-10871/3-A	Lab Control Sample Dup	99	92
MB 880-10871/1-A	Method Blank	115	123
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10200/5-A

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/21 08:30	10/26/21 12:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/21 08:30	10/26/21 12:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/21 08:30	10/26/21 12:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/21 08:30	10/26/21 12:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/21 08:30	10/26/21 12:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/21 08:30	10/26/21 12:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/26/21 08:30	10/26/21 12:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/26/21 08:30	10/26/21 12:48	1

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

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

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
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-A-1-A MS

Matrix: Solid

Analysis Batch: 10683

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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-A-1-B MSD

Matrix: Solid

Analysis Batch: 10683

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

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

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7523-A-1-B MSD

Matrix: Solid

Analysis Batch: 10683

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 10446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
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								

Lab Sample ID: MB 880-10593/5-A

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/26/21 23:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/26/21 23:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/26/21 23:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/21 09:12	10/26/21 23:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/21 09:12	10/26/21 23:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/21 09:12	10/26/21 23:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/26/21 09:12	10/26/21 23:41	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/26/21 09:12	10/26/21 23:41	1

Lab Sample ID: LCS 880-10593/1-A

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.100	0.1006		mg/Kg		101	70 - 130		
Toluene	0.100	0.09131		mg/Kg		91	70 - 130		
Ethylbenzene	0.100	0.08984		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130		
o-Xylene	0.100	0.09319		mg/Kg		93	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	107		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: LCSD 880-10593/2-A

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 10593

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09287		mg/Kg		93	70 - 130	8	35
Toluene	0.100	0.08177		mg/Kg		82	70 - 130	11	35
Ethylbenzene	0.100	0.08158		mg/Kg		82	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1675		mg/Kg		84	70 - 130	9	35
o-Xylene	0.100	0.08487		mg/Kg		85	70 - 130	9	35

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-7548-A-1-B MS

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 10593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.07091		mg/Kg		70	70 - 130
Toluene	<0.00199	U F1	0.101	0.06471	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.06192	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1307	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.06601	F1	mg/Kg		65	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-7548-A-1-C MSD

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 10593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.08348		mg/Kg		82	70 - 130	16	35
Toluene	<0.00199	U F1	0.101	0.07281		mg/Kg		72	70 - 130	12	35
Ethylbenzene	<0.00199	U F1	0.101	0.07175		mg/Kg		71	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1509		mg/Kg		75	70 - 130	14	35
o-Xylene	<0.00199	U F1	0.101	0.07588		mg/Kg		75	70 - 130	14	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-10871/1-A

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10871

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		10/28/21 16:32	10/29/21 19:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 16:32	10/29/21 19:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 16:32	10/29/21 19:59	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	115		70 - 130	10/28/21 16:32	10/29/21 19:59	1			
o-Terphenyl	123		70 - 130	10/28/21 16:32	10/29/21 19:59	1			

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-10871/2-A

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10871

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1166		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	878.0		mg/Kg		88	70 - 130		

Lab Sample ID: LCSD 880-10871/3-A

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 10871

Table 1: Data for Table 1											
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1072		mg/Kg		107	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	835.4		mg/Kg		84	70 - 130	5	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: 880-7440-A-2-E MS

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 10871

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1240		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	955.8		mg/Kg		94	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: 880-7440-A-2-F MSD

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 10871

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1271		mg/Kg		127	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1022		mg/Kg		100	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7440-A-2-F MSD

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 10871

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-10741/1-A

Matrix: Solid

Analysis Batch: 10801

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			10/29/21 12:33		1

Lab Sample ID: LCS 880-10741/2-A

Matrix: Solid

Analysis Batch: 10801

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	248.7		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-10741/3-A

Matrix: Solid

Analysis Batch: 10801

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	248.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-7520-A-6-F MS

Matrix: Solid

Analysis Batch: 10801

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	7510		2480	9790		mg/Kg		92	90 - 110		

Lab Sample ID: 880-7520-A-6-G MSD

Matrix: Solid

Analysis Batch: 10801

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	7510		2480	9768		mg/Kg		91	90 - 110	0	20

Lab Sample ID: MB 880-10743/1-A

Matrix: Solid

Analysis Batch: 10944

Client Sample ID: Method Blank

Prep Type: Soluble

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

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-10743/2-A

Matrix: Solid

Analysis Batch: 10944

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Matrix: Solid

Analysis Batch: 10944

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	251.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-7521-4 MS

Matrix: Solid

Analysis Batch: 10944

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

Prep Type: Soluble

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: 880-7521-4 MSD

Matrix: Solid

Analysis Batch: 10944

Client Sample ID: S-4 (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	9200	F1	4990	18210	F1	mg/Kg		180	90 - 110	5	20

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 10200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-10200/5-A	Method Blank	Total/NA	Solid	5035	

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
880-7521-1	S-1 (0-6")	Total/NA	Solid	5035	
880-7521-2	S-2 (0-6")	Total/NA	Solid	5035	
880-7521-3	S-3 (0-6")	Total/NA	Solid	5035	
880-7521-4	S-4 (0-6")	Total/NA	Solid	5035	
880-7521-5	H-1 (0-6")	Total/NA	Solid	5035	
880-7521-6	H-2 (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-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-7523-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 10593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-7	H-3 (0-6")	Total/NA	Solid	5035	
880-7521-8	H-4 (0-6")	Total/NA	Solid	5035	
880-7521-9	H-5 (0-6")	Total/NA	Solid	5035	
MB 880-10593/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10593/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10593/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7548-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-7548-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 10594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-7	H-3 (0-6")	Total/NA	Solid	8021B	10593
880-7521-8	H-4 (0-6")	Total/NA	Solid	8021B	10593
880-7521-9	H-5 (0-6")	Total/NA	Solid	8021B	10593
MB 880-10200/5-A	Method Blank	Total/NA	Solid	8021B	10200
MB 880-10593/5-A	Method Blank	Total/NA	Solid	8021B	10593
LCS 880-10593/1-A	Lab Control Sample	Total/NA	Solid	8021B	10593
LCSD 880-10593/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10593
880-7548-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	10593
880-7548-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	10593

Analysis Batch: 10683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Total/NA	Solid	8021B	10446
880-7521-2	S-2 (0-6")	Total/NA	Solid	8021B	10446
880-7521-3	S-3 (0-6")	Total/NA	Solid	8021B	10446
880-7521-4	S-4 (0-6")	Total/NA	Solid	8021B	10446
880-7521-5	H-1 (0-6")	Total/NA	Solid	8021B	10446
880-7521-6	H-2 (0-6")	Total/NA	Solid	8021B	10446

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QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 10683 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	10446
880-7523-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	10446

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-2	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-3	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-4	S-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-5	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-6	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-7	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-8	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7521-9	H-5 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 10871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-2	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-3	S-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-4	S-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-5	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-6	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-7	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-8	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7521-9	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-10871/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10871/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7440-A-2-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-7440-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-2	S-2 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-3	S-3 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-4	S-4 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-5	H-1 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-6	H-2 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-7	H-3 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-8	H-4 (0-6")	Total/NA	Solid	8015B NM	10871
880-7521-9	H-5 (0-6")	Total/NA	Solid	8015B NM	10871
MB 880-10871/1-A	Method Blank	Total/NA	Solid	8015B NM	10871
LCS 880-10871/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10871

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 10887 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-10871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10871
880-7440-A-2-E MS	Matrix Spike	Total/NA	Solid	8015B NM	10871
880-7440-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	10871

Analysis Batch: 10946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-7521-2	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-7521-3	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-7521-4	S-4 (0-6")	Total/NA	Solid	8015 NM	
880-7521-5	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-7521-6	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-7521-7	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-7521-8	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-7521-9	H-5 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 10741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-7521-2	S-2 (0-6")	Soluble	Solid	DI Leach	
880-7521-3	S-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-10741/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10741/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10741/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7520-A-6-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-7520-A-6-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 10743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-4	S-4 (0-6")	Soluble	Solid	DI Leach	
880-7521-5	H-1 (0-6")	Soluble	Solid	DI Leach	
880-7521-6	H-2 (0-6")	Soluble	Solid	DI Leach	
880-7521-7	H-3 (0-6")	Soluble	Solid	DI Leach	
880-7521-8	H-4 (0-6")	Soluble	Solid	DI Leach	
880-7521-9	H-5 (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	
880-7521-4 MS	S-4 (0-6")	Soluble	Solid	DI Leach	
880-7521-4 MSD	S-4 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 10801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-1	S-1 (0-6")	Soluble	Solid	300.0	10741
880-7521-2	S-2 (0-6")	Soluble	Solid	300.0	10741
880-7521-3	S-3 (0-6")	Soluble	Solid	300.0	10741
MB 880-10741/1-A	Method Blank	Soluble	Solid	300.0	10741
LCS 880-10741/2-A	Lab Control Sample	Soluble	Solid	300.0	10741
LCSD 880-10741/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10741

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 10801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-A-6-F MS	Matrix Spike	Soluble	Solid	300.0	10741
880-7520-A-6-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	10741

Analysis Batch: 10944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7521-4	S-4 (0-6")	Soluble	Solid	300.0	10743
880-7521-5	H-1 (0-6")	Soluble	Solid	300.0	10743
880-7521-6	H-2 (0-6")	Soluble	Solid	300.0	10743
880-7521-7	H-3 (0-6")	Soluble	Solid	300.0	10743
880-7521-8	H-4 (0-6")	Soluble	Solid	300.0	10743
880-7521-9	H-5 (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
880-7521-4 MS	S-4 (0-6")	Soluble	Solid	300.0	10743
880-7521-4 MSD	S-4 (0-6")	Soluble	Solid	300.0	10743

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-1

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 16:08	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/29/21 22:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		5			10801	10/29/21 15:46	CH	XEN MID

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

Lab Sample ID: 880-7521-2

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 16:29	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/29/21 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		10			10801	10/29/21 15:53	CH	XEN MID

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

Lab Sample ID: 880-7521-3

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 16:49	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/29/21 23:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		10			10801	10/29/21 16:00	CH	XEN MID

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

Lab Sample ID: 880-7521-4

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 17:10	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 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-7521-4

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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			10.05 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/29/21 23:37	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		20			10944	10/29/21 12:17	CH	XEN MID

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

Lab Sample ID: 880-7521-5

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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 17:31	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/29/21 23:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 12:38	CH	XEN MID

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

Lab Sample ID: 880-7521-6

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	10446	10/25/21 14:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10683	10/28/21 17:51	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 00:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 12:45	CH	XEN MID

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

Lab Sample ID: 880-7521-7

Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:02

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	10593	10/26/21 09:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10594	10/27/21 02:26	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 00:38	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

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

Date Collected: 10/20/21 00:00

Date Received: 10/25/21 11:02

Lab Sample ID: 880-7521-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 12:52	CH	XEN MID

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

Date Collected: 10/20/21 00:00

Date Received: 10/25/21 11:02

Lab Sample ID: 880-7521-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10593	10/26/21 09:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10594	10/27/21 02:46	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 01:19	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 13:00	CH	XEN MID

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

Date Collected: 10/20/21 00:00

Date Received: 10/25/21 11:02

Lab Sample ID: 880-7521-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	10593	10/26/21 09:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10594	10/27/21 03:07	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	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 01:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 13:21	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
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

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

Method Summary

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
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

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: South Vaccum Unit 351

Job ID: 880-7521-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7521-1	S-1 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-2	S-2 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-3	S-3 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-4	S-4 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-5	H-1 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-6	H-2 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-7	H-3 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-8	H-4 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02
880-7521-9	H-5 (0-6")	Solid	10/20/21 00:00	10/25/21 11:02



Chain of Custody

W/O



880-7521 Chain of Custody

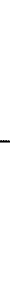
Project Manager	Mike Carmona	Bill to: (if different)	
Company Name	NTG Environmental	Company Name	
Address	701 Tradewinds BLVD	Address	
City, State ZIP	Midland, TX 79706	City, State ZIP	
Phone	432-813-0263	Email	mcarmona@ntglocal.com

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

Project Name:		South Vacuum Unit 351		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number	214801	☒ Routine	☐ Rush	Due Date	Standard													None	NO	DI Water	H ₂ O
Project Location	Lea Co., NM	TAT starts the day received by the lab if received by 4 30pm																Cool	Cool	MeOH	Me
Sampler's Name:	CCM																	HCL	HC	HNO ₃	HN
PO #:																		H ₂ SO ₄	H ₂	NaOH	Na
SAMPLE RECEIPT		Temp Blank	☒ Yes ☐ No	Wet Ice	☒ Yes ☐ No													H ₃ PO ₄	HP		
Received Intact:	☒ Yes ☐ No	Thermometer ID													NaHSO ₄	NABIS					
Cooler Custody Seals:	☒ Yes ☐ No	Correction Factor													Na ₂ S ₂ O ₃	NaSO ₃					
Sample Custody Seals:	☒ Yes ☐ No	Temperature Reading													Zn Acetate	+NaOH	Zn				
Total Containers:	☒ Yes ☐ No	Corrected Temperature													NaOH	+Ascorbic Acid	SAPC				
Sample Identification																	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												
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												
H-5 (0-6")	10/20/2021		X		G	1	X	X	X												

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and sub-contractors. 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
		10-25-21			
		1056			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-7521-1

SDG Number: Lea Co, NM

Login Number: 7521

List Number: 1

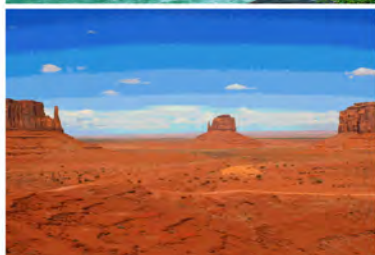
Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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

Report to:

Mike Carmona



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: South Vacuum Unit 351

Work Order: E112045

Job Number: 21106-0001

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/21

5796 U.S. Hwy 64
Farmington, NM 87401

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



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 351
Workorder: E112045
Date Received: 12/9/2021 12:10:00PM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:10:00PM, under the Project Name: South Vacuum Unit 351.

The analytical test results summarized in this report with the Project Name: South Vacuum Unit 351 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 regarding 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
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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name:	South Vacuum Unit 351	Reported: 12/15/21 15:38
	Project Number:	21106-0001	
	Project Manager:	Mike Carmona	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0-1')	E112045-01A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (1')	E112045-02A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (0-1')	E112045-03A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (1')	E112045-04A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (0-1')	E112045-05A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (1')	E112045-06A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (2')	E112045-07A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (3')	E112045-08A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (4')	E112045-09A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (5')	E112045-10A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (0-1')	E112045-11A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (1')	E112045-12A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (2')	E112045-13A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (3')	E112045-14A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (4')	E112045-15A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:38:50PM
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T-1 (0-1')

E112045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		112 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		98.7 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: Bromofluorobenzene		112 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		98.7 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	511	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	783	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		131 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	5940	100	5	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-1(1')

E112045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		111 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		84.9 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		95.9 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: Bromofluorobenzene		111 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		84.9 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		95.9 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	382	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	236	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane		129 %	50-200	12/10/21	12/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	2240	40.0	2	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-2 (0-1')

E112045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		112 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		97.8 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: Bromofluorobenzene		112 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		97.8 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	41.8	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	105	50.0	1	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: 2150063
Chloride	1840	20.0	1	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-2 (1')

E112045-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		113 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		96.6 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: Bromofluorobenzene		113 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		96.6 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	37.2	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	56.8	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		109 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	1330	20.0	1	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-3 (0-1')

E112045-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		112 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		97.5 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: Bromofluorobenzene		112 %	70-130	12/10/21	12/13/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/10/21	12/13/21	
Surrogate: Toluene-d8		97.5 %	70-130	12/10/21	12/13/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	38.4	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	81.4	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		113 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	944	20.0	1	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-3 (1')

E112045-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		110 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.9 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.9 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		123 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	3150	40.0	2	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-3 (2')

E112045-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		112 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		96.5 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		112 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		96.5 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	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: 2150063
Chloride	1770	20.0	1	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-3 (3')

E112045-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		111 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		95.0 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		111 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		95.0 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		124 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	1410	40.0	2	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-3 (4')

E112045-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		109 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		95.2 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		109 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		95.2 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	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: 2150063
Chloride	3040	40.0	2	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-3 (5')

E112045-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		110 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		99.8 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		99.8 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		125 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	20.0	20.0	1	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-4 (0-1')

E112045-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		108 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.8 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		108 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.8 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	2260	125	5	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	1450	250	5	12/10/21	12/14/21	
Surrogate: n-Nonane		138 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	20800	200	10	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-4 (1')

E112045-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		113 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.3 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		113 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.3 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	323	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	262	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		104 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	7220	1000	50	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-4 (2')

E112045-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		116 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		99.2 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		116 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		99.2 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		102 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	1690	100	5	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-4 (3')

E112045-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene		110 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.3 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene		110 %	70-130	12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	12/10/21	12/14/21	
Surrogate: Toluene-d8		98.3 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		106 %	50-200	12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	2180	400	20	12/13/21	12/14/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:38:50PM

T-4 (4')

E112045-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
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: Bromofluorobenzene	89.6 %	70-130		12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		12/10/21	12/14/21	
Surrogate: Toluene-d8	97.9 %	70-130		12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150042
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: Bromofluorobenzene	89.6 %	70-130		12/10/21	12/14/21	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		12/10/21	12/14/21	
Surrogate: Toluene-d8	97.9 %	70-130		12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150056
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane	110 %	50-200		12/10/21	12/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150063
Chloride	2000	40.0	2	12/13/21	12/14/21	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:38:50PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150042-BLK1)

Prepared: 12/10/21 Analyzed: 12/13/21

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: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

LCS (2150042-BS1)

Prepared: 12/10/21 Analyzed: 12/13/21

Benzene	2.58	0.0250	2.50		103	70-130			
Ethylbenzene	2.50	0.0250	2.50		99.8	70-130			
Toluene	2.46	0.0250	2.50		98.3	70-130			
o-Xylene	2.26	0.0250	2.50		90.2	70-130			
p,m-Xylene	4.87	0.0500	5.00		97.4	70-130			
Total Xylenes	7.13	0.0250	7.50		95.0	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

Matrix Spike (2150042-MS1)

Source: E112045-01

Prepared: 12/10/21 Analyzed: 12/13/21

Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135			
Toluene	2.63	0.0250	2.50	ND	105	48-130			
o-Xylene	2.47	0.0250	2.50	ND	98.9	43-135			
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.66	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2150042-MSD1)

Source: E112045-01

Prepared: 12/10/21 Analyzed: 12/13/21

Benzene	2.65	0.0250	2.50	ND	106	48-131	2.09	23	
Ethylbenzene	2.64	0.0250	2.50	ND	106	45-135	0.661	27	
Toluene	2.60	0.0250	2.50	ND	104	48-130	1.34	24	
o-Xylene	2.47	0.0250	2.50	ND	98.6	43-135	0.344	27	
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135	0.106	27	
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135	0.183	27	
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:38:50PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150042-BLK1)

Prepared: 12/10/21 Analyzed: 12/13/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

LCS (2150042-BS2)

Prepared: 12/10/21 Analyzed: 12/13/21

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.3	70-130			
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

Matrix Spike (2150042-MS2)

Source: E112045-01

Prepared: 12/10/21 Analyzed: 12/13/21

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

Matrix Spike Dup (2150042-MSD2)

Source: E112045-01

Prepared: 12/10/21 Analyzed: 12/13/21

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	2.33	20	
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:38:50PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150056-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	51.7		50.0		103	50-200			

LCS (2150056-BS1)

Prepared: 12/10/21 Analyzed: 12/13/21

Diesel Range Organics (C10-C28)	454	25.0	500		90.7	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

Matrix Spike (2150056-MS1)

Source: E112045-13

Prepared: 12/10/21 Analyzed: 12/14/21

Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.4	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike Dup (2150056-MSD1)

Source: E112045-13

Prepared: 12/10/21 Analyzed: 12/14/21

Diesel Range Organics (C10-C28)	463	25.0	500	ND	92.5	38-132	3.09	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:38:50PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150063-BLK1)

Prepared: 12/13/21 Analyzed: 12/14/21

Chloride ND 20.0

LCS (2150063-BS1)

Prepared: 12/13/21 Analyzed: 12/14/21

Chloride 256 20.0 250 102 90-110

Matrix Spike (2150063-MS1)

Source: E112035-01

Prepared: 12/13/21 Analyzed: 12/14/21

Chloride 380 20.0 250 119 105 80-120

Matrix Spike Dup (2150063-MSD1)

Source: E112035-01

Prepared: 12/13/21 Analyzed: 12/14/21

Chloride 377 20.0 250 119 103 80-120 0.933 20

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 351	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:38

- 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

 Work Order No: E112045
 Job # 21106-0001
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 ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes		
Project Number:	214801	☒ Routine ☐ Rush	Pres. Code														None: NO	DI Water: H ₂ O
Project Location	Lea Co, NM	Due Date:	Standard														Cool: Cool	MeOH: Me
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	Parameters											H ₃ PO ₄ : HP	
Received Intact:	Yes No	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
T-1 (0-1')	12/8/2021	-	X	-	G	1	X	X	X									
T-1 (1')	12/8/2021	-	X	-	G	1	X	X	X									
T-2 (0-1')	12/8/2021	-	X	-	G	1	X	X	X									
T-2 (1')	12/8/2021	-	X	-	G	1	X	X	X									
T-3 (0-1')	12/8/2021	-	X	-	G	1	X	X	X									
T-3 (1')	12/8/2021	-	X	-	G	1	X	X	X									
T-3 (2')	12/8/2021	-	X	-	G	1	X	X	X									
T-3 (3')	12/8/2021	-	X	-	G	1	X	X	X									
T-3 (4')	12/8/2021	-	X	-	G	1	X	X	X									
T-3 (5')	12/8/2021	-	X	-	G	1	X	X	X									

Additional 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 Nick Hart	2 [Signature]	12-8-21 11:31	3 [Signature]		
3	Buttley Christian	12/9/21 12:00	4		
5			6		



Chain of Custody

Work Order No: E112045

Job # 21106-0001

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
		☐ Superfund	☐
State of Project:			
Reporting: Level II	☐ Level III	☐ PST/UST	☐ RRP
		☐ Level IV	☐
Deliverables: EDD	☐	ADaPT	☐ Other:

[illegible]

Additoinal Comments:

Additional 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	Nick Hard	2	Chris	12/8/21	11:31	3	Chris				
3		4	Chris	12/9/21	12:10	5					
5		6				7					

Envirotech Analytical Laboratory

Printed: 12/10/2021 11:00:30AM

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 12:10	Work Order ID:	E112045
Phone:	(432) 685-3898	Date Logged In:	12/09/21 12:40	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? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedEx**Comments/Resolution****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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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

Client Instruction

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

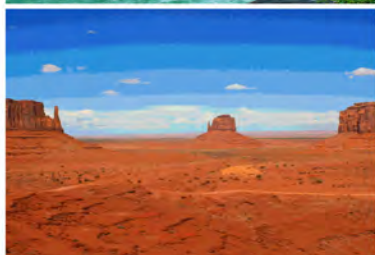
Date



envirotech Inc.

Report to:

Mike Carmona



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: South Vacuum Unit 351

Work Order: E112046

Job Number: 21106-0001

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/21

5796 U.S. Hwy 64
Farmington, NM 87401

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



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 351
Workorder: E112046
Date Received: 12/9/2021 12:05:00PM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:05:00PM, under the Project Name: South Vacuum Unit 351.

The analytical test results summarized in this report with the Project Name: South Vacuum Unit 351 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 regarding 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/21 15:57
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H-1 (0-0.5')	E112046-01A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-3 (0-0.5')	E112046-02A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:57:24PM
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H-1 (0-0.5')

E112046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	109 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	98.1 %	70-130		12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene	109 %	70-130		12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		12/10/21	12/11/21	
Surrogate: Toluene-d8	98.1 %	70-130		12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150053
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane	110 %	50-200		12/10/21	12/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150062
Chloride	118	20.0	1	12/13/21	12/13/21	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: South Vacuum Unit 351
Project Number: 21106-0001
Project Manager: Mike Carmona

Reported:
12/15/2021 3:57:24PM

H-3 (0-0.5')

E112046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		104 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		100 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: Bromofluorobenzene		104 %	70-130	12/10/21	12/11/21	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	12/10/21	12/11/21	
Surrogate: Toluene-d8		100 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2150053
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane		113 %	50-200	12/10/21	12/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150062
Chloride	84.6	20.0	1	12/13/21	12/13/21	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:57:24PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150041-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

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: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS (2150041-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2150041-MS1)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	2.19	0.0250	2.50	ND	87.6	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.4	45-135			
Toluene	2.36	0.0250	2.50	ND	94.3	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.4	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike Dup (2150041-MSD1)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	2.19	0.0250	2.50	ND	87.5	48-131	0.160	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	4.61	27	
Toluene	2.42	0.0250	2.50	ND	96.7	48-130	2.53	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	4.10	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	4.26	27	
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	4.21	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:57:24PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150041-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS (2150041-BS2)

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike (2150041-MS2)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike Dup (2150041-MSD2)

Source: E112041-03

Prepared: 12/10/21 Analyzed: 12/11/21

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	2.90	20	
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:57:24PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150053-BLK1)

Prepared: 12/10/21 Analyzed: 12/15/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.2		50.0		112	50-200			

LCS (2150053-BS1)

Prepared: 12/10/21 Analyzed: 12/14/21

Diesel Range Organics (C10-C28)	512	25.0	500		102	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2150053-MS1)

Source: E112036-01

Prepared: 12/10/21 Analyzed: 12/14/21

Diesel Range Organics (C10-C28)	551	25.0	500	ND	110	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

Matrix Spike Dup (2150053-MSD1)

Source: E112036-01

Prepared: 12/10/21 Analyzed: 12/14/21

Diesel Range Organics (C10-C28)	544	25.0	500	ND	109	38-132	1.25	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/2021 3:57:24PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150062-BLK1)

Prepared: 12/13/21 Analyzed: 12/13/21

Chloride	ND	20.0
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LCS (2150062-BS1)

Prepared: 12/13/21 Analyzed: 12/13/21

Chloride	250	20.0	250	100	90-110
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Matrix Spike (2150062-MS1)

Source: E112043-01

Prepared: 12/13/21 Analyzed: 12/13/21

Chloride	62900	2000	250	41100	NR	80-120	M5
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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
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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 911 Regional Park Dr. Houston TX, 77060	Project Name: South Vacuum Unit 351 Project Number: 21106-0001 Project Manager: Mike Carmona	Reported: 12/15/21 15:57
---	--	------------------------------------

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The associated 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.



Work Order No: E 112046
Job # 21106-0001

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
State of Project:	☐ Superfund		
Reporting: Level II	☐ Level III	☐ PST/UST	☐ RRP
Deliverables: EDD	☐ ADaPT	☐ Other:	

[illegible]

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	Nick Hawk			12-8-21	11:31	2					
3		Carly Christian		12/9/21	12:05	4					
5						6					

Envirotech Analytical Laboratory

Printed: 12/11/2021 2:28:21PM

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 12:05	Work Order ID:	E112046
Phone:	(432) 685-3898	Date Logged In:	12/09/21 12:44	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? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedEx**Comments/Resolution**

Physical sample ID does not match COC.
Noted on COC

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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: n/a

Client Instruction

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

Date



envirotech Inc.



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11146-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: South Vacuum Unit 351

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

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

Authorized for release by:
2/24/2022 7:27:40 PM

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

LINKS

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results through
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www.eurofinsus.com/Env

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

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

Client: NT Global
Project/Site: South Vacuum Unit 351

Laboratory Job ID: 880-11146-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Job ID: 880-11146-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11146-1****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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19009 and analytical batch 880-18981 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-11100-A-1-E MS) and (880-11100-A-1-F 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 method reporting limit check (MRL) for preparation batch 880-19061 and analytical batch 880-19410 recovered outside control limits for the following analytes: <AffectedAnalytes>. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-1

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 19:26	1
Toluene	0.00215		0.00200		mg/Kg		02/10/22 08:49	02/10/22 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 19:26	1
m-Xylene & p-Xylene	<0.00400	U F1	0.00400		mg/Kg		02/10/22 08:49	02/10/22 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 19:26	1
Xylenes, Total	<0.00400	U F1	0.00400		mg/Kg		02/10/22 08:49	02/10/22 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/10/22 08:49	02/10/22 19:26	1
1,4-Difluorobenzene (Surr)	112		70 - 130	02/10/22 08:49	02/10/22 19:26	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			02/11/22 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.6		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 09:35	02/10/22 12:03	1
Diesel Range Organics (Over C10-C28)	70.6		50.0		mg/Kg		02/10/22 09:35	02/10/22 12:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	02/10/22 09:35	02/10/22 12:03	1
o-Terphenyl	116		70 - 130	02/10/22 09:35	02/10/22 12:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2490		24.9		mg/Kg			02/16/22 11:32	5

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

Lab Sample ID: 880-11146-2

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 19:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 19:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 19:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/10/22 08:49	02/10/22 19:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 19:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/10/22 08:49	02/10/22 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/10/22 08:49	02/10/22 19:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/10/22 08:49	02/10/22 19:46	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-2

Date Collected: 02/08/22 00:00

Matrix: Solid

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	<0.00399	U	0.00399		mg/Kg			02/11/22 14:29	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 09:35	02/10/22 13:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/10/22 09:35	02/10/22 13:06	1
o-Terphenyl	100		70 - 130				02/10/22 09:35	02/10/22 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1710		24.8		mg/Kg			02/16/22 11:41	5

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

Lab Sample ID: 880-11146-3

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 20:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 20:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 20:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/10/22 20:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 20:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/10/22 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/10/22 08:49	02/10/22 20:07	1
1,4-Difluorobenzene (Surr)	112		70 - 130				02/10/22 08:49	02/10/22 20:07	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			02/11/22 14:29	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 09:35	02/10/22 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 13:27	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-3

Date Collected: 02/08/22 00:00

Matrix: Solid

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
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/10/22 09:35	02/10/22 13:27	1
o-Terphenyl	96		70 - 130				02/10/22 09:35	02/10/22 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050	F1	25.0		mg/Kg			02/16/22 11:50	5

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

Lab Sample ID: 880-11146-4

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 20:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 20:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 20:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/10/22 20:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 20:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/10/22 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/10/22 08:49	02/10/22 20:27	1
1,4-Difluorobenzene (Surr)	104		70 - 130				02/10/22 08:49	02/10/22 20:27	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			02/11/22 14:29	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 09:35	02/10/22 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				02/10/22 09:35	02/10/22 13:48	1
o-Terphenyl	93		70 - 130				02/10/22 09:35	02/10/22 13:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	906		5.04		mg/Kg			02/15/22 03:09	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-5

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 20:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 20:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 20:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/10/22 08:49	02/10/22 20:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 20:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/10/22 08:49	02/10/22 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/10/22 08:49	02/10/22 20:48	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/10/22 08:49	02/10/22 20:48	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			02/11/22 14:29	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 09:35	02/10/22 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	02/10/22 09:35	02/10/22 14:09	1
o-Terphenyl	93		70 - 130	02/10/22 09:35	02/10/22 14:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		4.97		mg/Kg			02/15/22 03:18	1

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

Lab Sample ID: 880-11146-6

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 21:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 21:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 21:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/10/22 21:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 21:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/10/22 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/10/22 08:49	02/10/22 21:08	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/10/22 08:49	02/10/22 21:08	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-6

Date Collected: 02/08/22 00:00

Matrix: Solid

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	<0.00398	U	0.00398		mg/Kg			02/11/22 14:29	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 09:35	02/10/22 14:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 14:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				02/10/22 09:35	02/10/22 14:29	1
o-Terphenyl	92		70 - 130				02/10/22 09:35	02/10/22 14:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970		5.00		mg/Kg			02/15/22 03:47	1

Client Sample ID: BH-1 (6'-7')

Lab Sample ID: 880-11146-7

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 21:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 21:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 21:29	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/10/22 08:49	02/10/22 21:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 21:29	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/10/22 08:49	02/10/22 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				02/10/22 08:49	02/10/22 21:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/10/22 08:49	02/10/22 21:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/11/22 14:29	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 09:35	02/10/22 14:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 14:50	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (6'-7')

Lab Sample ID: 880-11146-7

Date Collected: 02/08/22 00:00

Matrix: Solid

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
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				02/10/22 09:35	02/10/22 14:50	1
o-Terphenyl	96		70 - 130				02/10/22 09:35	02/10/22 14:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	851		4.98		mg/Kg			02/15/22 03:56	1

Client Sample ID: BH-1 (7'-8')

Lab Sample ID: 880-11146-8

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 21:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 21:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 21:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/10/22 21:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/10/22 21:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/10/22 21:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				02/10/22 08:49	02/10/22 21:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/10/22 08:49	02/10/22 21:49	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			02/11/22 14:29	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 09:35	02/10/22 15:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 15:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/10/22 09:35	02/10/22 15:11	1
o-Terphenyl	94		70 - 130				02/10/22 09:35	02/10/22 15:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	894		4.95		mg/Kg			02/15/22 04:06	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (8'-9')

Lab Sample ID: 880-11146-9

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 22:09	1
Toluene	0.00293		0.00200		mg/Kg		02/10/22 08:49	02/10/22 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 22:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/10/22 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/10/22 22:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/10/22 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/10/22 08:49	02/10/22 22:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/10/22 08:49	02/10/22 22:09	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			02/11/22 14:29	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 09:35	02/10/22 15:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 15:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/10/22 09:35	02/10/22 15:32	1
o-Terphenyl	92		70 - 130	02/10/22 09:35	02/10/22 15:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	955		5.05		mg/Kg			02/15/22 04:16	1

Client Sample ID: BH-1 (9'-10')

Lab Sample ID: 880-11146-10

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 22:30	1
Toluene	0.00372		0.00202		mg/Kg		02/10/22 08:49	02/10/22 22:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/10/22 22:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/10/22 08:49	02/10/22 22:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/10/22 22:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/10/22 08:49	02/10/22 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/10/22 08:49	02/10/22 22:30	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/10/22 08:49	02/10/22 22:30	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (9'-10')

Lab Sample ID: 880-11146-10

Date Collected: 02/08/22 00:00

Matrix: Solid

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	0.00451		0.00404		mg/Kg			02/11/22 14:29	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 09:35	02/10/22 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/10/22 09:35	02/10/22 15:53	1
o-Terphenyl	93		70 - 130				02/10/22 09:35	02/10/22 15:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		4.97		mg/Kg			02/15/22 04:25	1

Client Sample ID: BH-1 (10'-11')

Lab Sample ID: 880-11146-11

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/10/22 23:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/10/22 23:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/10/22 23:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/10/22 08:49	02/10/22 23:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/10/22 23:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/10/22 08:49	02/10/22 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				02/10/22 08:49	02/10/22 23:53	1
1,4-Difluorobenzene (Surr)	125		70 - 130				02/10/22 08:49	02/10/22 23:53	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			02/11/22 14:29	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 09:35	02/10/22 16:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 16:34	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (10'-11')

Lab Sample ID: 880-11146-11

Date Collected: 02/08/22 00:00

Matrix: Solid

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
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				02/10/22 09:35	02/10/22 16:34	1
o-Terphenyl	94		70 - 130				02/10/22 09:35	02/10/22 16:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		4.96		mg/Kg			02/15/22 04:35	1

Client Sample ID: BH-1 (11'-12')

Lab Sample ID: 880-11146-12

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				02/10/22 08:49	02/11/22 00:13	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/10/22 08:49	02/11/22 00:13	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			02/11/22 14:29	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 09:35	02/10/22 16:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 16:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/10/22 09:35	02/10/22 16:55	1
o-Terphenyl	98		70 - 130				02/10/22 09:35	02/10/22 16:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		5.00		mg/Kg			02/15/22 04:44	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (12'-13')

Lab Sample ID: 880-11146-13

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/11/22 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/11/22 00:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/11/22 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/11/22 00:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/11/22 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/10/22 08:49	02/11/22 00:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/10/22 08:49	02/11/22 00:34	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			02/11/22 14:29	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 09:35	02/10/22 17:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 17:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	02/10/22 09:35	02/10/22 17:15	1
o-Terphenyl	93		70 - 130	02/10/22 09:35	02/10/22 17:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.9		5.00		mg/Kg			02/15/22 15:12	1

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

Lab Sample ID: 880-11146-14

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 00:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/10/22 08:49	02/11/22 00:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/10/22 08:49	02/11/22 00:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/10/22 08:49	02/11/22 00:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/10/22 08:49	02/11/22 00:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/10/22 08:49	02/11/22 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/10/22 08:49	02/11/22 00:54	1
1,4-Difluorobenzene (Surr)	74		70 - 130	02/10/22 08:49	02/11/22 00:54	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-14

Date Collected: 02/08/22 00:00

Matrix: Solid

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	<0.00402	U	0.00402		mg/Kg			02/11/22 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	762		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 09:35	02/10/22 17:36	1
Diesel Range Organics (Over C10-C28)	762		50.0		mg/Kg		02/10/22 09:35	02/10/22 17:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/10/22 09:35	02/10/22 17:36	1
o-Terphenyl	93		70 - 130				02/10/22 09:35	02/10/22 17:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		49.9		mg/Kg			02/15/22 15:30	10

Client Sample ID: BH-4 (1'-2')

Lab Sample ID: 880-11146-15

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 01:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 01:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 01:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 01:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 01:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/10/22 08:49	02/11/22 01:15	1
1,4-Difluorobenzene (Surr)	106		70 - 130				02/10/22 08:49	02/11/22 01:15	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			02/11/22 14:29	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 09:35	02/10/22 17:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 17:57	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-4 (1'-2')

Lab Sample ID: 880-11146-15

Date Collected: 02/08/22 00:00

Matrix: Solid

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
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				02/10/22 09:35	02/10/22 17:57	1
o-Terphenyl	105		70 - 130				02/10/22 09:35	02/10/22 17:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4110		24.9		mg/Kg			02/15/22 15:36	5

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

Lab Sample ID: 880-11146-16

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 01:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/11/22 01:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/11/22 01:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/10/22 08:49	02/11/22 01:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/11/22 01:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/10/22 08:49	02/11/22 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				02/10/22 08:49	02/11/22 01:35	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/10/22 08:49	02/11/22 01:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/11/22 14:29	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 09:35	02/10/22 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 18:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/10/22 09:35	02/10/22 18:18	1
o-Terphenyl	95		70 - 130				02/10/22 09:35	02/10/22 18:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2610		24.8		mg/Kg			02/15/22 15:42	5

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-17

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 01:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 01:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 01:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 01:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 01:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/10/22 08:49	02/11/22 01:55	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/10/22 08:49	02/11/22 01:55	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			02/11/22 14:29	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 09:35	02/10/22 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 18:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/10/22 09:35	02/10/22 18:38	1
o-Terphenyl	96		70 - 130	02/10/22 09:35	02/10/22 18:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660		25.2		mg/Kg			02/15/22 15:49	5

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

Lab Sample ID: 880-11146-18

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 02:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 02:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 02:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 02:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:49	02/11/22 02:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:49	02/11/22 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/10/22 08:49	02/11/22 02:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/10/22 08:49	02/11/22 02:16	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-18

Date Collected: 02/08/22 00:00

Matrix: Solid

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	<0.00398	U	0.00398		mg/Kg			02/11/22 14:29	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 09:35	02/10/22 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 18:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:35	02/10/22 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/10/22 09:35	02/10/22 18:59	1
o-Terphenyl	92		70 - 130				02/10/22 09:35	02/10/22 18:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	889		4.98		mg/Kg			02/15/22 16:07	1

Client Sample ID: BH-4 (5'-6')

Lab Sample ID: 880-11146-19

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 02:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/11/22 02:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/11/22 02:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/11/22 02:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:49	02/11/22 02:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/10/22 08:49	02/11/22 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/10/22 08:49	02/11/22 02:36	1
1,4-Difluorobenzene (Surr)	86		70 - 130				02/10/22 08:49	02/11/22 02:36	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			02/11/22 14:29	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 09:35	02/10/22 19:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 19:20	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-4 (5'-6')

Lab Sample ID: 880-11146-19

Date Collected: 02/08/22 00:00

Matrix: Solid

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
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/10/22 09:35	02/10/22 19:20	1
o-Terphenyl	102		70 - 130				02/10/22 09:35	02/10/22 19:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	644		4.99		mg/Kg			02/15/22 16:13	1

Client Sample ID: BH-4 (6'-7')

Lab Sample ID: 880-11146-20

Date Collected: 02/08/22 00:00

Matrix: Solid

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		02/10/22 08:49	02/11/22 02:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/11/22 02:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/11/22 02:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/10/22 08:49	02/11/22 02:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:49	02/11/22 02:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/10/22 08:49	02/11/22 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				02/10/22 08:49	02/11/22 02:57	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/10/22 08:49	02/11/22 02:57	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			02/11/22 14:29	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 09:35	02/10/22 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/10/22 09:35	02/10/22 19:41	1
o-Terphenyl	95		70 - 130				02/10/22 09:35	02/10/22 19:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760		4.98		mg/Kg			02/15/22 16:19	1

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Client Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-4 (7'-8')

Lab Sample ID: 880-11146-21

Date Collected: 02/08/22 00:00

Matrix: Solid

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 H	0.00199		mg/Kg		02/23/22 10:42	02/24/22 02:44	1
Toluene	<0.00199	U H	0.00199		mg/Kg		02/23/22 10:42	02/24/22 02:44	1
Ethylbenzene	<0.00199	U H	0.00199		mg/Kg		02/23/22 10:42	02/24/22 02:44	1
m-Xylene & p-Xylene	<0.00398	U H	0.00398		mg/Kg		02/23/22 10:42	02/24/22 02:44	1
o-Xylene	<0.00199	U H	0.00199		mg/Kg		02/23/22 10:42	02/24/22 02:44	1
Xylenes, Total	<0.00398	U H	0.00398		mg/Kg		02/23/22 10:42	02/24/22 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	02/23/22 10:42	02/24/22 02:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/23/22 10:42	02/24/22 02:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.808		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			02/11/22 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 20:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 20:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/10/22 09:33	02/10/22 20:26	1
o-Terphenyl	75		70 - 130	02/10/22 09:33	02/10/22 20:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1		5.00		mg/Kg			02/15/22 16:25	1

Eurofins Midland

Surrogate Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-11146-1	BH-1 (0-1')	104	112
880-11146-1 MS	BH-1 (0-1')	104	105
880-11146-1 MSD	BH-1 (0-1')	109	122
880-11146-2	BH-1 (1'-2')	103	101
880-11146-3	BH-1 (2'-3')	105	112
880-11146-4	BH-1 (3'-4')	121	104
880-11146-5	BH-1 (4'-5')	102	107
880-11146-6	BH-1 (5'-6')	106	108
880-11146-7	BH-1 (6'-7')	111	91
880-11146-8	BH-1 (7'-8')	117	101
880-11146-9	BH-1 (8'-9')	109	110
880-11146-10	BH-1 (9'-10')	102	101
880-11146-11	BH-1 (10'-11')	124	125
880-11146-12	BH-1 (11'-12')	104	110
880-11146-13	BH-1 (12'-13')	106	95
880-11146-14	BH-4 (0-1')	100	74
880-11146-15	BH-4 (1'-2')	106	106
880-11146-16	BH-4 (2'-3')	149 S1+	107
880-11146-17	BH-4 (3'-4')	106	102
880-11146-18	BH-4 (4'-5')	122	107
880-11146-19	BH-4 (5'-6')	110	86
880-11146-20	BH-4 (6'-7')	102	97
880-11146-21	BH-4 (7'-8')	175 S1+	87
880-11474-A-1-J MS	Matrix Spike	159 S1+	84
880-11474-A-1-K MSD	Matrix Spike Duplicate	192 S1+	98
LCS 880-18978/1-A	Lab Control Sample	107	112
LCS 880-20128/1-A	Lab Control Sample	192 S1+	79
LCSD 880-18978/2-A	Lab Control Sample Dup	96	97
LCSD 880-20128/2-A	Lab Control Sample Dup	178 S1+	78
MB 880-18978/5-A	Method Blank	111	107
MB 880-20128/5-A	Method Blank	116	67 S1-

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-11100-A-1-E MS	Matrix Spike	66 S1-	56 S1-
880-11100-A-1-F MSD	Matrix Spike Duplicate	64 S1-	55 S1-
880-11146-1	BH-1 (0-1')	116	116
880-11146-1 MS	BH-1 (0-1')	85	77
880-11146-1 MSD	BH-1 (0-1')	86	76
880-11146-2	BH-1 (1'-2')	101	100
880-11146-3	BH-1 (2'-3')	96	96
880-11146-4	BH-1 (3'-4')	91	93

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Surrogate Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
880-11146-5	BH-1 (4'-5')	93	93				
880-11146-6	BH-1 (5'-6')	90	92				
880-11146-7	BH-1 (6'-7')	93	96				
880-11146-8	BH-1 (7'-8')	89	94				
880-11146-9	BH-1 (8'-9')	92	92				
880-11146-10	BH-1 (9'-10')	89	93				
880-11146-11	BH-1 (10'-11')	94	94				
880-11146-12	BH-1 (11'-12')	97	98				
880-11146-13	BH-1 (12'-13')	89	93				
880-11146-14	BH-4 (0'-1')	89	93				
880-11146-15	BH-4 (1'-2')	99	105				
880-11146-16	BH-4 (2'-3')	88	95				
880-11146-17	BH-4 (3'-4')	95	96				
880-11146-18	BH-4 (4'-5')	87	92				
880-11146-19	BH-4 (5'-6')	101	102				
880-11146-20	BH-4 (6'-7')	89	95				
880-11146-21	BH-4 (7'-8')	76	75				
LCS 880-19009/2-A	Lab Control Sample	95	86				
LCSD 880-19009/3-A	Lab Control Sample Dup	94	83				
MB 880-19009/1-A	Method Blank	73	76				

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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	1CO2 (70-130)	OTPH2 (70-130)				
LCS 880-19010/2-A	Lab Control Sample	92	105				
LCSD 880-19010/3-A	Lab Control Sample Dup	98	100				
MB 880-19010/1-A	Method Blank	93	99				

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18978/5-A

Matrix: Solid

Analysis Batch: 18964

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 19:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 19:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 19:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/10/22 08:49	02/10/22 19:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:49	02/10/22 19:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/10/22 08:49	02/10/22 19:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/10/22 08:49	02/10/22 19:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/10/22 08:49	02/10/22 19:05	1

Lab Sample ID: LCS 880-18978/1-A

Matrix: Solid

Analysis Batch: 18964

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1046		mg/Kg		105	70 - 130
Toluene	0.100	0.1016		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1115		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2108		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-18978/2-A

Matrix: Solid

Analysis Batch: 18964

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18978

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09288		mg/Kg		93	70 - 130	12	35
Toluene	0.100	0.09046		mg/Kg		90	70 - 130	12	35
Ethylbenzene	0.100	0.09810		mg/Kg		98	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1820		mg/Kg		91	70 - 130	15	35
o-Xylene	0.100	0.09221		mg/Kg		92	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-11146-1 MS

Matrix: Solid

Analysis Batch: 18964

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

Prep Type: Total/NA

Prep Batch: 18978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0996	0.07506		mg/Kg		75	70 - 130
Toluene	0.00215		0.0996	0.07451		mg/Kg		73	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-1 MS

Matrix: Solid

Analysis Batch: 18964

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

Prep Type: Total/NA

Prep Batch: 18978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.0996	0.07103		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.199	0.1366	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00200	U	0.0996	0.07103		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-11146-1 MSD

Matrix: Solid

Analysis Batch: 18964

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

Prep Type: Total/NA

Prep Batch: 18978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08850		mg/Kg		89	70 - 130	16	35
Toluene	0.00215		0.100	0.08295		mg/Kg		81	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.100	0.08027		mg/Kg		80	70 - 130	12	35
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.1530		mg/Kg		77	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.07619		mg/Kg		76	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: MB 880-20128/5-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/23/22 10:42	02/24/22 00:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/23/22 10:42	02/24/22 00:55	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	02/23/22 10:42	02/24/22 00:55	1

Lab Sample ID: LCS 880-20128/1-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	0.100	0.1131		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1149		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2378		mg/Kg		119	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-20128/1-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.1281		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 880-20128/2-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20128

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0998	0.1094		mg/Kg		110	70 - 130	3	35
Toluene	0.0998	0.1031		mg/Kg		103	70 - 130	9	35
Ethylbenzene	0.0998	0.1079		mg/Kg		108	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2274		mg/Kg		114	70 - 130	4	35
o-Xylene	0.0998	0.1206		mg/Kg		121	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-11474-A-1-J MS

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0996	0.08394		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.0996	0.07782		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.07842		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1611		mg/Kg		81	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08719		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-11474-A-1-K MSD

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09380		mg/Kg		94	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.08765		mg/Kg		88	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.100	0.08869		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1829		mg/Kg		91	70 - 130	13	35
o-Xylene	<0.00200	U	0.100	0.09881		mg/Kg		99	70 - 130	12	35

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11474-A-1-K MSD

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20128

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-19009/1-A

Matrix: Solid

Analysis Batch: 18981

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19009

	MB	MB								
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 09:33	02/10/22 11:37	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 11:37	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 11:37	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	73		70 - 130				02/10/22 09:33	02/10/22 11:37	1	
o-Terphenyl	76		70 - 130				02/10/22 09:33	02/10/22 11:37	1	

Lab Sample ID: LCS 880-19009/2-A

Matrix: Solid

Analysis Batch: 18981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19009

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	968.5		mg/Kg		97	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	907.9		mg/Kg		91	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	95		70 - 130							
o-Terphenyl	86		70 - 130							

Lab Sample ID: LCSD 880-19009/3-A

Matrix: Solid

Analysis Batch: 18981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19009

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	957.3		mg/Kg		96	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	1000	868.6		mg/Kg		87	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	94		70 - 130							
o-Terphenyl	83		70 - 130							

Eurofins Midland

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11100-A-1-E MS

Matrix: Solid

Analysis Batch: 18981

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19009

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	842.4		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	704.7	F1	mg/Kg		66	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	66	S1-	70 - 130						
o-Terphenyl	56	S1-	70 - 130						

Lab Sample ID: 880-11100-A-1-F MSD

Matrix: Solid

Analysis Batch: 18981

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19009

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	828.2		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	694.6	F1	mg/Kg		65	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	64	S1-	70 - 130								
o-Terphenyl	55	S1-	70 - 130								

Lab Sample ID: MB 880-19010/1-A

Matrix: Solid

Analysis Batch: 18980

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19010

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 09:35	02/10/22 11:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 11:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:35	02/10/22 11:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				02/10/22 09:35	02/10/22 11:00	1
o-Terphenyl	99		70 - 130				02/10/22 09:35	02/10/22 11:00	1

Lab Sample ID: LCS 880-19010/2-A

Matrix: Solid

Analysis Batch: 18980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130

Eurofins Midland

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-19010/2-A
Matrix: Solid
Analysis Batch: 18980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19010

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-19010/3-A
Matrix: Solid
Analysis Batch: 18980

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19010

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1073		mg/Kg		107	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1075		mg/Kg		107	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-11146-1 MS
Matrix: Solid
Analysis Batch: 18980

Client Sample ID: BH-1 (0-1')
Prep Type: Total/NA
Prep Batch: 19010

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	876.0		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	70.6		1000	967.1		mg/Kg		90	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-11146-1 MSD
Matrix: Solid
Analysis Batch: 18980

Client Sample ID: BH-1 (0-1')
Prep Type: Total/NA
Prep Batch: 19010

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	892.7		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	70.6		998	980.7		mg/Kg		91	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	76		70 - 130

Eurofins Midland

QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19061/1-A

Matrix: Solid

Analysis Batch: 19410

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			02/14/22 23:58	1

Lab Sample ID: LCS 880-19061/2-A

Matrix: Solid

Analysis Batch: 19410

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-19061/3-A

Matrix: Solid

Analysis Batch: 19410

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	266.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-11100-A-9-D MS

Matrix: Solid

Analysis Batch: 19410

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	2950	F1	1240	4226		mg/Kg		103	90 - 110

Lab Sample ID: 880-11100-A-9-E MSD

Matrix: Solid

Analysis Batch: 19410

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2950	F1	1240	4450	F1	mg/Kg		121	90 - 110	5	20

Lab Sample ID: MB 880-19062/1-A

Matrix: Solid

Analysis Batch: 19434

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			02/15/22 14:53	1

Lab Sample ID: LCS 880-19062/2-A

Matrix: Solid

Analysis Batch: 19434

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	225.9		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-19062/3-A

Matrix: Solid

Analysis Batch: 19434

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	251.0		mg/Kg		100	90 - 110	11	20

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QC Sample Results

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-11146-13 MS

Matrix: Solid

Analysis Batch: 19434

Client Sample ID: BH-1 (12'-13')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	89.9		250	355.7		mg/Kg		106	90 - 110

Lab Sample ID: 880-11146-13 MSD

Matrix: Solid

Analysis Batch: 19434

Client Sample ID: BH-1 (12'-13')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	89.9		250	332.8		mg/Kg		97	90 - 110	7	20

Lab Sample ID: MB 880-19415/1-A

Matrix: Solid

Analysis Batch: 19574

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 09:19	1

Lab Sample ID: LCS 880-19415/2-A

Matrix: Solid

Analysis Batch: 19574

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-19415/3-A

Matrix: Solid

Analysis Batch: 19574

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	256.2		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-11146-3 MS

Matrix: Solid

Analysis Batch: 19574

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1050	F1	1250	2479	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-11146-3 MSD

Matrix: Solid

Analysis Batch: 19574

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1050	F1	1250	2453	F1	mg/Kg		112	90 - 110	1	20

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QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 18964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Total/NA	Solid	8021B	18978
880-11146-2	BH-1 (1'-2')	Total/NA	Solid	8021B	18978
880-11146-3	BH-1 (2'-3')	Total/NA	Solid	8021B	18978
880-11146-4	BH-1 (3'-4')	Total/NA	Solid	8021B	18978
880-11146-5	BH-1 (4'-5')	Total/NA	Solid	8021B	18978
880-11146-6	BH-1 (5'-6')	Total/NA	Solid	8021B	18978
880-11146-7	BH-1 (6'-7')	Total/NA	Solid	8021B	18978
880-11146-8	BH-1 (7'-8')	Total/NA	Solid	8021B	18978
880-11146-9	BH-1 (8'-9')	Total/NA	Solid	8021B	18978
880-11146-10	BH-1 (9'-10')	Total/NA	Solid	8021B	18978
880-11146-11	BH-1 (10'-11')	Total/NA	Solid	8021B	18978
880-11146-12	BH-1 (11'-12')	Total/NA	Solid	8021B	18978
880-11146-13	BH-1 (12'-13')	Total/NA	Solid	8021B	18978
880-11146-14	BH-4 (0'-1')	Total/NA	Solid	8021B	18978
880-11146-15	BH-4 (1'-2')	Total/NA	Solid	8021B	18978
880-11146-16	BH-4 (2'-3')	Total/NA	Solid	8021B	18978
880-11146-17	BH-4 (3'-4')	Total/NA	Solid	8021B	18978
880-11146-18	BH-4 (4'-5')	Total/NA	Solid	8021B	18978
880-11146-19	BH-4 (5'-6')	Total/NA	Solid	8021B	18978
880-11146-20	BH-4 (6'-7')	Total/NA	Solid	8021B	18978
MB 880-18978/5-A	Method Blank	Total/NA	Solid	8021B	18978
LCS 880-18978/1-A	Lab Control Sample	Total/NA	Solid	8021B	18978
LCSD 880-18978/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18978
880-11146-1 MS	BH-1 (0'-1')	Total/NA	Solid	8021B	18978
880-11146-1 MSD	BH-1 (0'-1')	Total/NA	Solid	8021B	18978

Prep Batch: 18978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Total/NA	Solid	5035	
880-11146-2	BH-1 (1'-2')	Total/NA	Solid	5035	
880-11146-3	BH-1 (2'-3')	Total/NA	Solid	5035	
880-11146-4	BH-1 (3'-4')	Total/NA	Solid	5035	
880-11146-5	BH-1 (4'-5')	Total/NA	Solid	5035	
880-11146-6	BH-1 (5'-6')	Total/NA	Solid	5035	
880-11146-7	BH-1 (6'-7')	Total/NA	Solid	5035	
880-11146-8	BH-1 (7'-8')	Total/NA	Solid	5035	
880-11146-9	BH-1 (8'-9')	Total/NA	Solid	5035	
880-11146-10	BH-1 (9'-10')	Total/NA	Solid	5035	
880-11146-11	BH-1 (10'-11')	Total/NA	Solid	5035	
880-11146-12	BH-1 (11'-12')	Total/NA	Solid	5035	
880-11146-13	BH-1 (12'-13')	Total/NA	Solid	5035	
880-11146-14	BH-4 (0'-1')	Total/NA	Solid	5035	
880-11146-15	BH-4 (1'-2')	Total/NA	Solid	5035	
880-11146-16	BH-4 (2'-3')	Total/NA	Solid	5035	
880-11146-17	BH-4 (3'-4')	Total/NA	Solid	5035	
880-11146-18	BH-4 (4'-5')	Total/NA	Solid	5035	
880-11146-19	BH-4 (5'-6')	Total/NA	Solid	5035	
880-11146-20	BH-4 (6'-7')	Total/NA	Solid	5035	
MB 880-18978/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18978/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18978/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

GC VOA (Continued)

Prep Batch: 18978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1 MS	BH-1 (0'-1')	Total/NA	Solid	5035	
880-11146-1 MSD	BH-1 (0'-1')	Total/NA	Solid	5035	

Analysis Batch: 19172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Total/NA	Solid	Total BTEX	
880-11146-2	BH-1 (1'-2')	Total/NA	Solid	Total BTEX	
880-11146-3	BH-1 (2'-3')	Total/NA	Solid	Total BTEX	
880-11146-4	BH-1 (3'-4')	Total/NA	Solid	Total BTEX	
880-11146-5	BH-1 (4'-5')	Total/NA	Solid	Total BTEX	
880-11146-6	BH-1 (5'-6')	Total/NA	Solid	Total BTEX	
880-11146-7	BH-1 (6'-7')	Total/NA	Solid	Total BTEX	
880-11146-8	BH-1 (7'-8')	Total/NA	Solid	Total BTEX	
880-11146-9	BH-1 (8'-9')	Total/NA	Solid	Total BTEX	
880-11146-10	BH-1 (9'-10')	Total/NA	Solid	Total BTEX	
880-11146-11	BH-1 (10'-11')	Total/NA	Solid	Total BTEX	
880-11146-12	BH-1 (11'-12')	Total/NA	Solid	Total BTEX	
880-11146-13	BH-1 (12'-13')	Total/NA	Solid	Total BTEX	
880-11146-14	BH-4 (0'-1')	Total/NA	Solid	Total BTEX	
880-11146-15	BH-4 (1'-2')	Total/NA	Solid	Total BTEX	
880-11146-16	BH-4 (2'-3')	Total/NA	Solid	Total BTEX	
880-11146-17	BH-4 (3'-4')	Total/NA	Solid	Total BTEX	
880-11146-18	BH-4 (4'-5')	Total/NA	Solid	Total BTEX	
880-11146-19	BH-4 (5'-6')	Total/NA	Solid	Total BTEX	
880-11146-20	BH-4 (6'-7')	Total/NA	Solid	Total BTEX	

Analysis Batch: 19350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-21	BH-4 (7'-8')	Total/NA	Solid	Total BTEX	

Prep Batch: 20128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-21	BH-4 (7'-8')	Total/NA	Solid	5035	
MB 880-20128/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20128/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20128/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11474-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
880-11474-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-21	BH-4 (7'-8')	Total/NA	Solid	8021B	20128
MB 880-20128/5-A	Method Blank	Total/NA	Solid	8021B	20128
LCS 880-20128/1-A	Lab Control Sample	Total/NA	Solid	8021B	20128
LCSD 880-20128/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20128
880-11474-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	20128
880-11474-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20128

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 18980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Total/NA	Solid	8015B NM	19010
880-11146-2	BH-1 (1'-2')	Total/NA	Solid	8015B NM	19010
880-11146-3	BH-1 (2'-3')	Total/NA	Solid	8015B NM	19010
880-11146-4	BH-1 (3'-4')	Total/NA	Solid	8015B NM	19010
880-11146-5	BH-1 (4'-5')	Total/NA	Solid	8015B NM	19010
880-11146-6	BH-1 (5'-6')	Total/NA	Solid	8015B NM	19010
880-11146-7	BH-1 (6'-7')	Total/NA	Solid	8015B NM	19010
880-11146-8	BH-1 (7'-8')	Total/NA	Solid	8015B NM	19010
880-11146-9	BH-1 (8'-9')	Total/NA	Solid	8015B NM	19010
880-11146-10	BH-1 (9'-10')	Total/NA	Solid	8015B NM	19010
880-11146-11	BH-1 (10'-11')	Total/NA	Solid	8015B NM	19010
880-11146-12	BH-1 (11'-12')	Total/NA	Solid	8015B NM	19010
880-11146-13	BH-1 (12'-13')	Total/NA	Solid	8015B NM	19010
880-11146-14	BH-4 (0'-1')	Total/NA	Solid	8015B NM	19010
880-11146-15	BH-4 (1'-2')	Total/NA	Solid	8015B NM	19010
880-11146-16	BH-4 (2'-3')	Total/NA	Solid	8015B NM	19010
880-11146-17	BH-4 (3'-4')	Total/NA	Solid	8015B NM	19010
880-11146-18	BH-4 (4'-5')	Total/NA	Solid	8015B NM	19010
880-11146-19	BH-4 (5'-6')	Total/NA	Solid	8015B NM	19010
880-11146-20	BH-4 (6'-7')	Total/NA	Solid	8015B NM	19010
MB 880-19010/1-A	Method Blank	Total/NA	Solid	8015B NM	19010
LCS 880-19010/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19010
LCSD 880-19010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19010
880-11146-1 MS	BH-1 (0'-1')	Total/NA	Solid	8015B NM	19010
880-11146-1 MSD	BH-1 (0'-1')	Total/NA	Solid	8015B NM	19010

Analysis Batch: 18981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-21	BH-4 (7'-8')	Total/NA	Solid	8015B NM	19009
MB 880-19009/1-A	Method Blank	Total/NA	Solid	8015B NM	19009
LCS 880-19009/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19009
LCSD 880-19009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19009
880-11100-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19009
880-11100-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19009

Prep Batch: 19009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-21	BH-4 (7'-8')	Total/NA	Solid	8015NM Prep	
MB 880-19009/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19009/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11100-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11100-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 19010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-11146-2	BH-1 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11146-3	BH-1 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11146-4	BH-1 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11146-5	BH-1 (4'-5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 19010 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-6	BH-1 (5'-6')	Total/NA	Solid	8015NM Prep	
880-11146-7	BH-1 (6'-7')	Total/NA	Solid	8015NM Prep	
880-11146-8	BH-1 (7'-8')	Total/NA	Solid	8015NM Prep	
880-11146-9	BH-1 (8'-9')	Total/NA	Solid	8015NM Prep	
880-11146-10	BH-1 (9'-10')	Total/NA	Solid	8015NM Prep	
880-11146-11	BH-1 (10'-11')	Total/NA	Solid	8015NM Prep	
880-11146-12	BH-1 (11'-12')	Total/NA	Solid	8015NM Prep	
880-11146-13	BH-1 (12'-13')	Total/NA	Solid	8015NM Prep	
880-11146-14	BH-4 (0'-1')	Total/NA	Solid	8015NM Prep	
880-11146-15	BH-4 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11146-16	BH-4 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11146-17	BH-4 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11146-18	BH-4 (4'-5')	Total/NA	Solid	8015NM Prep	
880-11146-19	BH-4 (5'-6')	Total/NA	Solid	8015NM Prep	
880-11146-20	BH-4 (6'-7')	Total/NA	Solid	8015NM Prep	
MB 880-19010/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19010/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11146-1 MS	BH-1 (0'-1')	Total/NA	Solid	8015NM Prep	
880-11146-1 MSD	BH-1 (0'-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-21	BH-4 (7'-8')	Total/NA	Solid	8015 NM	

Analysis Batch: 19741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Total/NA	Solid	8015 NM	
880-11146-2	BH-1 (1'-2')	Total/NA	Solid	8015 NM	
880-11146-3	BH-1 (2'-3')	Total/NA	Solid	8015 NM	
880-11146-4	BH-1 (3'-4')	Total/NA	Solid	8015 NM	
880-11146-5	BH-1 (4'-5')	Total/NA	Solid	8015 NM	
880-11146-6	BH-1 (5'-6')	Total/NA	Solid	8015 NM	
880-11146-7	BH-1 (6'-7')	Total/NA	Solid	8015 NM	
880-11146-8	BH-1 (7'-8')	Total/NA	Solid	8015 NM	
880-11146-9	BH-1 (8'-9')	Total/NA	Solid	8015 NM	
880-11146-10	BH-1 (9'-10')	Total/NA	Solid	8015 NM	
880-11146-11	BH-1 (10'-11')	Total/NA	Solid	8015 NM	
880-11146-12	BH-1 (11'-12')	Total/NA	Solid	8015 NM	
880-11146-13	BH-1 (12'-13')	Total/NA	Solid	8015 NM	
880-11146-14	BH-4 (0'-1')	Total/NA	Solid	8015 NM	
880-11146-15	BH-4 (1'-2')	Total/NA	Solid	8015 NM	
880-11146-16	BH-4 (2'-3')	Total/NA	Solid	8015 NM	
880-11146-17	BH-4 (3'-4')	Total/NA	Solid	8015 NM	
880-11146-18	BH-4 (4'-5')	Total/NA	Solid	8015 NM	
880-11146-19	BH-4 (5'-6')	Total/NA	Solid	8015 NM	
880-11146-20	BH-4 (6'-7')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 19061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-4	BH-1 (3'-4')	Soluble	Solid	DI Leach	
880-11146-5	BH-1 (4'-5')	Soluble	Solid	DI Leach	
880-11146-6	BH-1 (5'-6')	Soluble	Solid	DI Leach	
880-11146-7	BH-1 (6'-7')	Soluble	Solid	DI Leach	
880-11146-8	BH-1 (7'-8')	Soluble	Solid	DI Leach	
880-11146-9	BH-1 (8'-9')	Soluble	Solid	DI Leach	
880-11146-10	BH-1 (9'-10')	Soluble	Solid	DI Leach	
880-11146-11	BH-1 (10'-11')	Soluble	Solid	DI Leach	
880-11146-12	BH-1 (11'-12')	Soluble	Solid	DI Leach	
MB 880-19061/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19061/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19061/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11100-A-9-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11100-A-9-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-13	BH-1 (12'-13')	Soluble	Solid	DI Leach	
880-11146-14	BH-4 (0'-1')	Soluble	Solid	DI Leach	
880-11146-15	BH-4 (1'-2')	Soluble	Solid	DI Leach	
880-11146-16	BH-4 (2'-3')	Soluble	Solid	DI Leach	
880-11146-17	BH-4 (3'-4')	Soluble	Solid	DI Leach	
880-11146-18	BH-4 (4'-5')	Soluble	Solid	DI Leach	
880-11146-19	BH-4 (5'-6')	Soluble	Solid	DI Leach	
880-11146-20	BH-4 (6'-7')	Soluble	Solid	DI Leach	
880-11146-21	BH-4 (7'-8')	Soluble	Solid	DI Leach	
MB 880-19062/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19062/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19062/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11146-13 MS	BH-1 (12'-13')	Soluble	Solid	DI Leach	
880-11146-13 MSD	BH-1 (12'-13')	Soluble	Solid	DI Leach	

Analysis Batch: 19410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-4	BH-1 (3'-4')	Soluble	Solid	300.0	19061
880-11146-5	BH-1 (4'-5')	Soluble	Solid	300.0	19061
880-11146-6	BH-1 (5'-6')	Soluble	Solid	300.0	19061
880-11146-7	BH-1 (6'-7')	Soluble	Solid	300.0	19061
880-11146-8	BH-1 (7'-8')	Soluble	Solid	300.0	19061
880-11146-9	BH-1 (8'-9')	Soluble	Solid	300.0	19061
880-11146-10	BH-1 (9'-10')	Soluble	Solid	300.0	19061
880-11146-11	BH-1 (10'-11')	Soluble	Solid	300.0	19061
880-11146-12	BH-1 (11'-12')	Soluble	Solid	300.0	19061
MB 880-19061/1-A	Method Blank	Soluble	Solid	300.0	19061
LCS 880-19061/2-A	Lab Control Sample	Soluble	Solid	300.0	19061
LCSD 880-19061/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19061
880-11100-A-9-D MS	Matrix Spike	Soluble	Solid	300.0	19061
880-11100-A-9-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19061

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 19415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Soluble	Solid	DI Leach	
880-11146-2	BH-1 (1'-2')	Soluble	Solid	DI Leach	
880-11146-3	BH-1 (2'-3')	Soluble	Solid	DI Leach	
MB 880-19415/1-A	Method Blank	Soluble	Solid	DI Leach	
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	
880-11146-3 MS	BH-1 (2'-3')	Soluble	Solid	DI Leach	
880-11146-3 MSD	BH-1 (2'-3')	Soluble	Solid	DI Leach	

Analysis Batch: 19434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-13	BH-1 (12'-13')	Soluble	Solid	300.0	19062
880-11146-14	BH-4 (0'-1')	Soluble	Solid	300.0	19062
880-11146-15	BH-4 (1'-2')	Soluble	Solid	300.0	19062
880-11146-16	BH-4 (2'-3')	Soluble	Solid	300.0	19062
880-11146-17	BH-4 (3'-4')	Soluble	Solid	300.0	19062
880-11146-18	BH-4 (4'-5')	Soluble	Solid	300.0	19062
880-11146-19	BH-4 (5'-6')	Soluble	Solid	300.0	19062
880-11146-20	BH-4 (6'-7')	Soluble	Solid	300.0	19062
880-11146-21	BH-4 (7'-8')	Soluble	Solid	300.0	19062
MB 880-19062/1-A	Method Blank	Soluble	Solid	300.0	19062
LCS 880-19062/2-A	Lab Control Sample	Soluble	Solid	300.0	19062
LCSD 880-19062/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19062
880-11146-13 MS	BH-1 (12'-13')	Soluble	Solid	300.0	19062
880-11146-13 MSD	BH-1 (12'-13')	Soluble	Solid	300.0	19062

Analysis Batch: 19574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11146-1	BH-1 (0'-1')	Soluble	Solid	300.0	19415
880-11146-2	BH-1 (1'-2')	Soluble	Solid	300.0	19415
880-11146-3	BH-1 (2'-3')	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
880-11146-3 MS	BH-1 (2'-3')	Soluble	Solid	300.0	19415
880-11146-3 MSD	BH-1 (2'-3')	Soluble	Solid	300.0	19415

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-1

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			5.00 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 19:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 12:03	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 11:32	CH	XEN MID

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

Lab Sample ID: 880-11146-2

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			5.01 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 19:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 13:06	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		5			19574	02/16/22 11:41	CH	XEN MID

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

Lab Sample ID: 880-11146-3

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			4.99 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 20:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19415	02/14/22 13:08	SC	XEN MID
Soluble	Analysis	300.0		5			19574	02/16/22 11:50	CH	XEN MID

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

Lab Sample ID: 880-11146-4

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			5.02 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 20:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-4

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			10.02 g	10 mL	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 13:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 03:09	CH	XEN MID

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

Lab Sample ID: 880-11146-5

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			5.00 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 20:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 14:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 03:18	CH	XEN MID

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

Lab Sample ID: 880-11146-6

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			5.03 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 21:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 14:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 03:47	CH	XEN MID

Client Sample ID: BH-1 (6'-7')

Lab Sample ID: 880-11146-7

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			5.04 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 21:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 14:50	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (6'-7')

Lab Sample ID: 880-11146-7

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
Soluble	Leach	DI Leach			5.02 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 03:56	CH	XEN MID

Client Sample ID: BH-1 (7'-8')

Lab Sample ID: 880-11146-8

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 21:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 04:06	CH	XEN MID

Client Sample ID: BH-1 (8'-9')

Lab Sample ID: 880-11146-9

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 22:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 15:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 04:16	CH	XEN MID

Client Sample ID: BH-1 (9'-10')

Lab Sample ID: 880-11146-10

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			4.95 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 22:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 04:25	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-1 (10'-11')

Lab Sample ID: 880-11146-11

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/10/22 23:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 16:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 04:35	CH	XEN MID

Client Sample ID: BH-1 (11'-12')

Lab Sample ID: 880-11146-12

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 00:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 04:44	CH	XEN MID

Client Sample ID: BH-1 (12'-13')

Lab Sample ID: 880-11146-13

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 00:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 17:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		1			19434	02/15/22 15:12	CH	XEN MID

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

Lab Sample ID: 880-11146-14

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			4.98 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 00:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-14

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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 17:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		10			19434	02/15/22 15:30	CH	XEN MID

Client Sample ID: BH-4 (1'-2')

Lab Sample ID: 880-11146-15

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 01:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 17:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		5			19434	02/15/22 15:36	CH	XEN MID

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

Lab Sample ID: 880-11146-16

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			5.04 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 01:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 18:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		5			19434	02/15/22 15:42	CH	XEN MID

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

Lab Sample ID: 880-11146-17

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 01:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 18:38	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-11146-17

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
Soluble	Leach	DI Leach			4.96 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		5			19434	02/15/22 15:49	CH	XEN MID

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

Lab Sample ID: 880-11146-18

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 02:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		1			19434	02/15/22 16:07	CH	XEN MID

Client Sample ID: BH-4 (5'-6')

Lab Sample ID: 880-11146-19

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	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 02:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 19:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		1			19434	02/15/22 16:13	CH	XEN MID

Client Sample ID: BH-4 (6'-7')

Lab Sample ID: 880-11146-20

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			4.95 g	5 mL	18978	02/10/22 08:49	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18964	02/11/22 02:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19172	02/11/22 14:29	AJ	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	19010	02/10/22 09:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18980	02/10/22 19:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		1			19434	02/15/22 16:19	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Client Sample ID: BH-4 (7'-8')
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Lab Sample ID: 880-11146-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20128	02/23/22 10:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20138	02/24/22 02:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19142	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 20:26	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19062	02/10/22 15:31	CH	XEN MID
Soluble	Analysis	300.0		1			19434	02/15/22 16:25	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 351

Job ID: 880-11146-1
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

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

Method Summary

Client: NT Global
Project/Site: South Vacuum Unit 351

Job ID: 880-11146-1
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 351

Job ID: 880-11146-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11146-1	BH-1 (0'-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-2	BH-1 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-3	BH-1 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-4	BH-1 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-5	BH-1 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-6	BH-1 (5'-6')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-7	BH-1 (6'-7')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-8	BH-1 (7'-8')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-9	BH-1 (8'-9')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-10	BH-1 (9'-10')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-11	BH-1 (10'-11')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-12	BH-1 (11'-12')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-13	BH-1 (12'-13')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-14	BH-4 (0'-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-15	BH-4 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-16	BH-4 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-17	BH-4 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-18	BH-4 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-19	BH-4 (5'-6')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-20	BH-4 (6'-7')	Solid	02/08/22 00:00	02/09/22 16:23
880-11146-21	BH-4 (7'-8')	Solid	02/08/22 00:00	02/09/22 16:23



Chain of Custody

Work Order No: 11146

Page 1 of 3

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 ☐ FRP ☐ Level IV
Deliverables: EDD	☐ ADAPT ☐ Other

Project Name:	South Vacuum Unit 351	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:	214801	Due Date:	Standard													None NO	DI Water H ₂ O
Project Location:	Lea Co. NM															Cool Cool	MeOH Me
Sampler's Name:	NH															HCL. HC	HNO ₃ HN
PO #:																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Tarp Blank:	Yes (No) Wet Ice:	Yes (No)												H ₃ PO ₄ HP	
Received Inlet:	Yes (No)	Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals:	Yes (No)	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals:	Yes (No)	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH													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-1 (6'-7')	2/8/2022	-	X	-	G	1	X	X	X											
BH-1 (7'-8')	2/8/2022	-	X	-	G	1	X	X	X											
BH-1 (8'-9')	2/8/2022	-	X	-	G	1	X	X	X											
BH-1 (9'-10')	2/8/2022	-	X	-	G	1	X	X	X											



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880-11146 Chain of Custody

Additioinal Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	2 <i>[Signature]</i>	2/9/22 16:23	3	4	
5			6		



Chain of Custody

Work Order No: 11146

Page 2 of 3

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

Project Name		South Vacuum Unit 351	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	214801	☒ Routine	☐ Rush													None NO	DI Water- H ₂ O
Project Location	Lea Co. NM	Due Date	Standard													Cool Cool	MeOH Me
Sampler's Name	NH	TAT starts the day received by the lab if received by 4:30pm														HCL HC	HNO ₃ HN
PO #																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No											H ₃ PO ₄ HP	
Received Intact	Yes No	Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SAPC	

Project Name.		South Vacuum Unit 351			Turn Around			ANALYSIS REQUEST												Preservative Codes										
Project Number		214801			☒ Routine ☐ Rush		Pres. Code												None NO	DI Water	H ₂ O									
Project Location		Lea Co. NM			Due Date		Standard		TAT starts the day received by the lab if received by 4 30pm												Cool Cool			MeOH	Me					
Sampler's Name.		NH																			HCL HC			HNO ₃	HN					
PO #:																					H ₂ SO ₄ H ₂				NaOH	Na				
SAMPLE RECEIPT					Temp Blank.		Yes No		Wet Ice.		Yes No		Parameters												H ₃ PO ₄ HP					
Received Intact:					Yes No		Thermometer ID.						BTEX 8021B												NaHSO ₄ NABIS					
Cooler Custody Seals:					Yes No		Correction Factor						TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals:					Yes No		Temperature Reading						Chloride 300 0												Zn Acetate+NaOH Zn					
Total Containers.							Corrected Temperature.																		NaOH+Ascorbic Acid SAPC					
Sample Identification				Date		Time		Soil		Water		Grab/ Comp		# of Cont		HOLD												Sample Comments		
BH-1 (10'-11')				2/8/2022				X		-		G		1		X														
BH-1 (11'-12')				2/8/2022				X		-		G		1		X														
BH-1 (12'-13')				2/8/2022				X		-		G		1		X														
BH-4 (0-1')				2/8/2022				X		-		G		1		X														
BH-4 (1'-2')				2/8/2022				X		-		G		1		X														
BH-4 (2'-3')				2/8/2022				X		-		G		1		X														
BH-4 (3'-4')				2/8/2022				X		-		G		1		X														
BH-4 (4'-5')				2/8/2022				X		-		G		1		X														
BH-4 (5'-6')				2/8/2022				X		-		G		1		X														
BH-4 (6'-7')				2/8/2022				X		-		G		1		X														

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Nick Hart	[Signature]	2/8/22			
3		10:23			
5					



Chain of Custody

Work Order No: 11190

Page 3 of 3

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 I ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other _____			

[illegible]

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenko, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenko 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 Xenko. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenko, 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 Nick Aard	[Signature]	2/9/22	2		
3		16:23	4		
5			6		

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-11146-1

SDG Number: Lea Co, NM

Login Number: 11146

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	

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 119284

CONDITIONS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 119284
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	7/5/2022